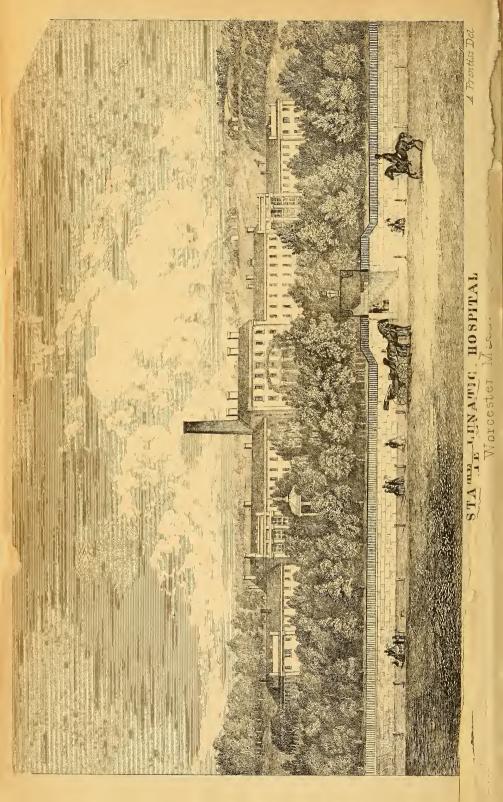


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THIRTY-FIFTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

Mand.

STATE LUNATIC HOSPITAL

WORCESTER.

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OCTOBER, 1867.

BOSTON:

WRIGHT & POTTER, STATE PRINTERS,
No. 4 Spring Lane,
1868.

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Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor and the Honorable Council of the Commonwealth of Massachusetts.

The Trustees of the Worcester Lunatic Hospital submit the following Report, for the year ending September 30, 1867.

The full report made by the Superintendent renders any statement on our part of statistical details, in regard to the doings of the past year, unnecessary. The great number of patients discharged recovered, in proportion to the whole number that leave our walls, is the best proof of the usefulness and success of the institution.

The grant of fifteen thousand dollars by the legislature, at its last session, placed the hospital in a better financial condition than it had been for some time previously. Unless some great rise in the prices of the necessaries of life should take place, without any corresponding increase in the price of board, (a result we do not anticipate,) we shall have no need of again calling for legislative aid to pay debts.

Yet we cannot but wish a higher price of board could be paid by the Commonwealth and towns. The price of board paid the hospital has not, since the beginning of the rebellion, been increased in nearly so great a proportion as that of provisions and fuel, or as that of board for persons in health, all over the country. The consequence is, that though the patients can be fed and warmed at the present price, we cannot, with our limited means, make all the provision for them which is desirable, both as it regards recreation and employment. A greater

variety in these respects would, no doubt, be highly beneficial to many within our walls.

A little comparison of the price of board paid by the Commonwealth to this hospital, with that paid to similar establishments in other States, for the same class of patients, in places where the cost of living is as cheap as in Worcester, and even cheaper, will show that our request for additional compensation is most reasonable. The price of board paid to this hospital by the State and towns, is \$3.50 a week.

In the New Hampshire Asylum for the Instanc at Concord, the minimum charge for board has been \$4.75 the past year.

At the Butler Hospital for the Insane at Providence, R. I., the charge for paupers sent by towns is \$4.00.

At the Retreat for the Insane in Hartford, Connecticut, the lowest charge at the present time is \$5.50, and that only for State and other strictly indigent patients.

In the New York State Hospital at Utica, the ordinary charge for board is \$4.00 a week.

In the New Jersey State Asylum at Trenton, the charge for pauper and indigent patients is \$4.00, of which \$3.00 is paid by the counties from which they are sent, and \$1.00 by the State treasury. The salaries of resident officers are also paid by the State.

In the Pennsylvania State Lunatic Hospital at Harrisburg, \$3.00 a week is charged for patients supported by counties and towns. This is not, however, because this sum covers the expenses, but as a matter of policy, for private patients, who are poor, pay at the same rate, but the legislature always make an appropriation to cover the deficiency of the receipts. The prices of the most expensive supplies at this institution are also far lower than at Worcester. Coal, delivered at the hospital wharf, was \$3.90 a ton (which we suppose was 2,240 pounds.) The contract for beef, from March 1, 1867, to March 1, 1868, was nine cents a pound, pork twelve cents, mutton and veal nine cents.

At the Western Pennsylvania Hospital for the Insane at Dixmont, near Pittsburg, the price paid for board during the past year by those sent by order of court, or by directors of poor, was \$3.00 a week. The Superintendent writes: "The State treasury pays to the institution \$15,000, a sum

sufficient to pay all salaries and wages, and make up all loss in keeping public patients, at \$3.00 per week."

After reading the preceding statements, any one who knows the cost of the necessaries of life at Worcester, and considers how much more expensive it is to support and take charge of an insane person than a sane one, (a subject fully considered in the report of the Superintendent,) will see at once that at least \$4.00 a week ought to be paid for the board of patients supported at the public charge.

We are obliged to call attention to the expensive, but absolutely necessary repairs and improvements specified in the Superintendent's report. The sum total, (\$12,000,) is large, but the repairs ought not to be longer delayed, and the gymnasium and bowling alleys are so important to the health of the patients, that we regard them as equally necessary with the repairs. To say nothing of humanity, it is a wise economy to employ such agencies to restore men to society. The benefit of such restoration is double. The productive power of the community is increased, and, at the same time, its burdens are diminished.

The systematic gymnastic exercises, which have been introduced among such of the females as could enjoy them, we believe will be productive of very obvious and beneficial results. While engaged in these pleasant exercises, with the aid of good music from a piano, by one of their own number, they lose the appearance, and, for the time, the reality, of insanity. This recreation, like all amusements and occupations which draw the attention of these unfortunates from their own morbid feelings, promotes their recovery.

In our Report for the year 1865, and the report of the Superintendent for the same year, as well as in his report for the present year, attention is directed to the importance of having cottages in connection with the hospital, each under the care of a man and his wife, accustomed to the treatment of lunatics, into which some convalescent and other suitable patients might be admitted. We still regard this plan with great interest. We entertain no doubt that a restoration to family life would have a happy influence on many who would still need a medical adviser, and a certain degree of restraint

and supervision, without being subjected to constant association with large numbers of the insane.

Though the treatment of lunatics often requires a separation from their own families for a longer or shorter period, yet when such persons are able to enjoy the mode of living to which they were accustomed before the access of mental disorder, a restoration to it, as far as possible, is a great remedial agent.

The hospital has no funds with which to erect cottages, and must rely either on the bounty of the State, or the liberality of individuals, for means of carrying on what we regard as a measure of the highest importance in improving our institution. A few thousand dollars would enable us to commence the work on a moderate scale.

The employment of a well educated female physician in the female wards, as recommended by the Superintendent, meets our full approbation. It is very obvious that women usually understand the characters of each other better than men do, and that with equal advantages of medical education and experience, they could judge of the bodily and mental feelings and wants of their own sex, both healthy and morbid, more readily than men.

We have, in former Reports, expressed our great confidence in the Superintendent, Dr. Bemis. The great success of the hospital, since his connection with it, is due chiefly to his skill, his sympathy for his patients, and his devotion to his work. We recommend most heartily his report to your consideration, and that of the legislature.

In his labors he is ably seconded by his assistant, Dr. Draper. We are also happy to state our satisfaction with the conduct of the financial affairs of the institution by the Treasurer, Mr. Daniel Bemis.

Very respectfully submitted by the Trustees.

S. E. SEWALL.
E. F. JENKS.
H. CHAPIN.
R. W. HOOPER.
W. WORKMAN.

6,172 58

TREASURER'S REPORT.

RECEIPTS.

Cash on hand Septe received of the received from received from received from received from	e Come Come sale of loans	imon w imon w of farm Mech	ealtl ealtl pro anies	i, spe i for i ducts ' Nat	eial a suppo ional	pproprt of Ban	priation, insane		15,000 21,203 2,572 11.600	00 54 33 00 79
The expenditure of	the y	ear ha	ive b	een a	s foll	ows:	_			
Provisions,-										
Flour,							\$7,366	60		
Rice and erackers.							585	58		
Rye and corn meal,							589	50		
Fish,							988	13		
Salt meats,							4,002	82		
Fresh meats, .							3,752	12		
Fresh fruits, .							314	58		
Beans, potatoes and	veget	ables,					609	87		
Butter,							4,771	09		
Cheese, '							220	59		
Sugar,							2,081	49		
Molasses,							706	59		
Tea,				٠			1,017	25		
Coffee,							955	SI		
Eggs, salt and other	groce	ries,	٠				1,437			
Vinegar and pickles	, .						222			
Ice,							358	27		
									\$29,980	59
Clothing,-										
Boots and shoes,							\$1,815	26		
Tailors' clothing,							2,193	96		
Hats, caps, shirts, dr.	awers	, etc.,					592	17		
Clothing materials,							1,611	19		

Furniture,—						
House furnishing goods and beddin	~	·		90 507	or.	
Construer and observer and peddin	g, .	•	•	\$2,507		
Crockery and glass ware,	•	•	•	653		
Kitchen ware and brooms,	•	•	•	427		
Pictures and frames,	•	•	•	7 8	75	
						\$3,666 94
Fuel,						7,130 95
T:.14						.,
Light,—				7140	0.5	
Oil and candles,	•	•	•	\$143		
Gas,	•	•	•	1,372	29	
			_		_	1,516 14
Medical supplies,	•	•	•	•	•	1,179 22
Undertaker's bills,	•	•	•	•	•	977 90
Books, stationery and printing,						620 75
Improvements and Repairs,—						
Blacksmithing,				\$231	58	
	•	•	•	115		
Labor,	•	•	•		-	
Lime, sand, plaster and cement, .	•	•	•	116		
Lumber and carpenters' work, .	•	•	•	1,390		
Hardware and castings,	•	•	•	868		
Steam, gas and water-pipes,	•	•	•	383		
Paints, painting and papering, .	•	•	•	744	78	
Carriages, wagons and sleighs, etc.,	•			533	03	
Harnesses, robes, blankets, etc., .	•			225	67	
Stone-work,				515	22	
Fencing,				591	35	
Cordage,				75	78	
Fertilizers,				325	00 .	
Tools and implements for farm, .				99		
Sundries,				104		
bunding, i i i i i	·	Ť				6,320 45
Live stock,						1,719 50
	•	•	•	•	•	•
Provender,	•	•	•	•	•	2,385 06
Soap,	•	•	•	• 1	•	1,169 25
Miscellaneous,—						
Interest,	4		•	\$1,333	38	
Express and telegraph,			•	44	81	
Revenues and postage stamps, .			•	152	59	
Travelling and elopement expenses	, .			274	34	
Music and instruction,				185	25	
W. C. Barbour, examination of acc				100		
Patients fare home,	• ′			61	15	
Cash to patients on account,				379		
Sundries,				314		
Sullation, i i i i	- 1	•		011		2,845 16
						2,010 10

Trustees' expe	enses,								\$207	60
Salaries and v	vages,								20,911	93
Freights, .									126	86
								_		
Total expendi	tures	for s	uppo	rt of p	atier	ıts,			\$\$6,930	88
Paid loans,				_					19,929	
Balance cash,	Septe	mber	: 30,	1867,					1,779	64
								_		_

PUBLIC DOCUMENT-No. 22.

1867.7

Total,

·	L	IABIL	ITIES	.				
Worcester Co. Institution for	Savi	ings,					\$12,000	00
Accrued interest on same,							365	00
Due for bills of supplies, .							7,051	83
for salaries and wages,			•		•		4,831	08
						-		—
							\$24,247	91

	1	KES	OU	RCES	•			
Cash on hand,								\$1,779 64
Due from cities and towns,								7,538 15
from individuals, .								8,962 17
from Commonwealth,				•				6,382 40
							_	
								\$24,662 36
Balance in favor of hospital,	**							414 45
Invested funds, market value,								1,919 00
Dividend on hand,								15 00
Balance including fund		0						2.348 00

We have examined the foregoing accounts for the year ending September 30, 1867, and find the footings and vouchers all correct.

> WM. WORKMAN, HENRY CHAPIN, Auditing Committee.

9

. \$108,639 90

In the years 1854 and 1855, plans were made and adopted for extensive operations and improvements in the buildings for the purpose of ventilation, warming, classification and new wing for all domestic purposes to be carried out and paid for from surplus funds supposed to be on hand.

The plans were faithfully executed and the expenses paid from the annual income of the hospital. The work extending quietly through several years, the war of rebellion came on with high prices, and found the hospital in debt from which it could not relieve itself.

No increase in the price of board was made until July 1865, consequently the debt increased. In the winter of 1866, an appropriation was asked of the legislature of \$15,000. This was opposed by members of the board of state charities, on accounts of certain alleged informalities and discrepancies in the accounts of former treasurers. No report was made by the committee on charitable institutions, and the petition was renewed in 1866, when the same objection was raised. An investigation was asked for and granted, which resulted in the following report and the subsequent passage of a Resolve by the legislature, appropriating the sum of \$15,000 to be applied for the payment of the debts of the hospital.

D. W. BEMIS, Treasurer.

Worcester Lunatic Hospital, Worcester, Oct. 1, 1867.

REPORT OF ACCOUNTANT

Employed by the Committee on Charitable Institutions.

Worcester, April 8, 1867.

I hereby certify that I have carefully examined the accounts of the late Samuel Jennison and those of Henry Woodward, late treasurers of the State Lunatic Hospital at Worcester, from September 1, 1853, to October 1, 1866, and find them honestly and correctly kept and fully vouched.

Mr. Jennison resigned his office August 31, 1857, to Mr. Woodward, and reported a debt due at the Worcester banks, at that time, of \$8,955.46. The trustees immediately after passed a vote authorizing Mr. Woodward to borrow of the Mechanics' Bank \$8,000 to pay the debts then outstanding.

From that time to the present, the institution has carried a debt varying from about \$9,000 to about \$20,000, on which they have paid interest amounting to \$7,258.82. This debt has been in notes, and in many cases, aside from these notes, there has been a large overdraft at the bank, and the reports made from time to time showing the amount due at the banks do not show this overdraft.

I have also examined the books at the Mechanics' Bank with scrutiny, and find every note discounted and paid to correspond precisely with Mr. Woodward's entries on his book, with the exception of some slight discrepancies in dates. These note transactions at the bank up to October 1, 1866, amount in the gross to \$164,500.

I notice on the books during Mr. Jennison's time, statements that purport to be monthly statements of "hospital funds." I cannot find any positive funds. On December 1, 1853, the books show a surplus or balance on hand of \$23,131.85 and on that very day there were liabilities against this balance to a large amount, as the vouchers now on file, paid after that date, prove; but the amount cannot now be definitely ascertained. There is, however, no doubt in my mind, but what there was at that time an actual surplus of several thousand dollars on hand.

At one time, July, 1854, the hospital loaned to the Massachusetts Cotton Mills \$15,000, and they held a bond of the Worcester and Nashua Railroad of \$500, but even at that time there were demands against them outstanding. This loan to the Cotton Mills was repaid in December 1855.

In relation to the "Hospital Fund," to which I have before referred, I copy from the treasurer's (Mr. Jennison,) books,

December 1, 1854:—

Amount of funds, including funds invested, .	\$22,629 97
Charges to the State, \$18,611 36	
Cities, towns and individuals, 19,391 56	
Patients for the month of December, 3,603 60	
	41,606 52
	\$64,236 49

This statement shows a fund or balance in favor of the hospital of \$64,236.49. This is purely a fictitious statement. The charges against the patients for the month is a simple estimate, undoubtedly somewhere in the neighborhood of correct, but still not on hand, and not even earned. The charges against the State, cities, towns and individuals, were, when made, no doubt supposed to be correct, and to be real assets; but many of them were of long standing, some of them in a state of suspense from not being correctly located, others from other causes, and all subject to corrections and abatements. They were not at the time "funds" in any sense, but merely floating assets, subject not only to corrections and deductions, but to floating liabilities against them.

After a thorough examination of the vouchers, it appears that there has been paid by the hospital during this period for permanent improvements, or strictly con-

struction account,		. \$72,161 01		
Land damages,		. 945 00		
Real estate, .	•	. 1,275 00		
			\$74,381	01

 Although the books of the institution have not been kept in that clear and distinct form showing plainly, at first sight, every transaction under its proper date, and the true and actual condition of the finances monthly, quarterly or even annually, still I am positive that the accounts are all properly footed and balanced, and from the evidence of the charges and vouchers which I have carefully compared with the books, that the result now shown is correct. The hospital has carried a large debt since 1857, and that debt on the first day of April 1867, amounted to \$18,851.13.

LIABILITIES.

Worcester Co. Institution for Savings, note and	
interest,	\$12,365 00
Mechanics' National Bank, note,	5,500 00
Alfred Wyman, note and interest,	1,377 91
Pay roll,	5,443 55
Sundry bills for supplies, etc.,	15,343 84
_	
	\$40,030 30
Resources.	
Cash, \$129 12	
Due from towns, cities and individuals, 13,390 87	
Due from Commonwealth, 7,659 18	
	21,179 17
· -	
Balance against the hospital,	\$18,851 13
Among the items of permanent construction are	
new centre wing, etc.,	23,029 00
Apparatus for warming, heating and draining, .	28,000 00

Respectfully submitted.

W. C. BARBOUR.

COMMONWEALTH OF MASSACHUSETTS.

In the Year One Thousand Eight Hundred and Sixty-Seven.

RESOLVE in favor of the Worcester Lunatic Hospital.

Resolved, That there be allowed and paid to the trustees of the Worcester Lunatic Hospital the sum of fifteen thousand dollars, to be applied to the payment of the debts of the hospital.

OFFICERS OF THE HOSPITAL.

TRUSTEES.

HON. SAMUEL E. SEWALL,			Boston.
HON. EDWIN F. JENKS, .			Adams.
ROBERT W. HOOPER, M. D.,	•		Boston.
HON. HENRY CHAPIN,			Worcester.
WILLIAM WORKMAN, M. D.,			Worcester.

RESIDENT OFFICERS.

MERRICK BEMIS, M. D.,	•	•	Superintendent.
JOSEPH DRAPER, M. D.			Assistant-Physician.
CAROLINE A. BEMIS, .			Matron.
DANIEL W. BEMIS, .			Steward

TREASURER.

DANIEL	W. BEMIS,			Worcester.
	Office at the	Hospital.		

SALARIED OFFICERS OF THE HOSPITAL.

Superintendent, .		•		•			\$1,800	00
Assistant-Physician,							900	00
Matron,							200	00
Steward and Treasu	rer,						1,000	00

SUPERINTENDENT'S REPORT.

To the Trustees of the Worcester Lunatic Hospital.

Gentlemen:—In obedience to the laws of the Commonwealth, I have the honor to submit to you the Thirty-Fifth Annual Report of the Institution over which you preside.

For the operations and results of the year in detail you are respectfully referred to the following tabular statements, and such brief accompanying remarks as may be necessary to explain them.

Table No. 1, Showing the general results during the year.

	Males.	Females.	Total.
Patients in the Hospital, October 1, 1866,	190	191	381
Admitted during the year,	154	134	288
Whole number under treatment,	314	325	669
Discharged recovered,	86	72	158
improved,	47	51	101
not improved,	. 8	4	12
Died,	26	17	43
Whole number discharged,	167	147	314
Remaining, September 30, 1867,	177	178	355

At the date of the last report there were in the hospital three hundred and eighty-one patients. Since which time there have been admitted two hundred and eighty-eight, and three hundred and fourteen have been discharged or have died, leaving three hundred and fifty-five under treatment at the close of the year.

The total number of patients under treatment during the year was six hundred and sixty-nine. The highest number at

any one time was four hundred and twenty-seven; the lowest was three hundred and fifty-five; and the average number under treatment during the year was a fraction more than three hundred and eighty-nine, or one hundred and ninety-six and sixty-six one-hundredths males, and one hundred and ninety-two and forty-two one-hundredths females.

The number of males in the hospital during the year was three hundred and forty-four, and the number of females was three hundred and twenty-five. The highest number of males at any one time was two hundred and nineteen, and the highest number of females was two hundred and eight.

At the beginning of the year, there were in the hospital one hundred and ninety males and one hundred and ninety-one females. At the close of the year there are one hundred and seventy-seven males and one hundred and seventy-eight females; and these are the lowest numbers of each sex in the hospital at any one time during the year.

The number of males admitted during the year was one hundred and fifty-four, and the number of females was one hundred and thirty-four.

The number of patients discharged was one hundred and seventy-one, of whom one hundred and fifty-eight were restored to usual health of body and mind, and were discharged as recovered. The recoveries were in the ratio of a fraction less than fifty-five per cent. to the number admitted; or nearly forty-one per cent. to the average number under treatment; or twenty-two and five one-hundredths per cent. to the whole number in the hospital in the course of the year; or fifty-four and five one-hundredths per cent. to the whole number discharged, after deducting the number of those who died.

The recoveries were also in the ratio of seventy-six and six one-hundredths per cent. to the number of those whose insanity had existed one year only, or less, and only about eleven per cent. to the number of those who had been insane more than one year previous to their admission to the hospital.

The proportion of recoveries is somewhat less than has been recorded in some former years, a fact which is explained by the large number of admissions of chronic cases, several of the patients admitted having been old, incurable and worn-out

inmates of other and more fortunate institutions for long periods of years.

The absolute number of recoveries, however—one hundred and fifty-eight—is creditable to the hospital, and is in no way a blemish on the history of its life and labor.

Of the patients discharged as recovered, sixty-three had been under treatment not more than three months; forty-seven from three to six months; twenty-eight from six months to one year; and twenty for a longer period than one year. Only three patients were discharged during the year as recovered who had been inmates of the hospital for a period of three years or more, one of whom remained under treatment five years and another nine years.

Of those discharged as improved, fourteen were under treatment not more than one month; twelve from one to three months; seventeen from three to six months; nineteen from six months to one year; and thirty-nine for a longer period than one year.

Of those discharged and not improved, five were under our care less than three months; three from three to six months; two from six months to one year; and two for more than one year.

Of those discharged and recorded as improved, several were so much improved as to be able to return to their former occupations and resume their usual and customary responsibilities, and are now performing their duties in a manner satisfactory to their friends and to the public.

TABLE No. 2,

Showing the Admissions and state of the Hospital from October 1, 1866, to September 30, 1867.

	Males.	Females.	Totals.
Patients in the Hospital, October 1, 1866,	190	191	381
admitted in the course of the year,	154	134	288
remaining in the Hospital, Sept. 30, 1867,	177	178	355
Of the admissions there may area of one year or less	111	140	999
Of the admissions there were cases of one year or less	00	01	100
duration,	99	81	180
Of the admissions there were cases of more than	F0.		104
one year's duration,	52	52	104
Of the admissions there were eases the duration of			
whose insanity could not be ascertained,	3	1	4
Patients committed by Courts,	108	91	199
committed by Overseers of the Poor,	20	11	31
on bonds,	24	31	5 5
committed by Governor's warrant,	-	-	-
eommitted by the Board of State Charities, .	2	1	3
eommitted by Commissioners of Lunacy, .	-	-	_
Foreigners and those having no settlement in the			
State, committed in course of the year,	67	59	126
Foreigners and those having no settlement in the			
State, discharged in course of the year,	71	83	154
Foreigners and those having no settlement in the			
State remaining in the Hospital, Sept. 30, 1867, .	50	51	101
8			

State Paupers remaining in the Hospital at the close of each year, as nearly as can be ascertained.

	 				 		<u> </u>	 -
1842,		34	1851, .		201	1860,		130
1843,		38	1852, .		241	1861,	• .	156
1844,		38	1853, .		216	1862,		189
1845,		57	1854, .	,	151	1863,		175
1846,		52	1855, .		115	1864,		116
1847,		121	1856, .		155	1865,		91
1848,		150	1857, .		119	1866,		129
1849,		167	1858, .		121	1867,		101
1850,		181	1859, .		124			

The preceding table shows that one hundred and eighty patients were committed to the hospital in the course of the year whose insanity had existed one year or less previous to their admission. Other tables in this connection show that for

a period of about thirty-five years, seventy-five per cent. at least of all patients committed to the hospital who had been insane not more than one year previous to admission, have recovered their mental health and strength, and have been restored to their families and friends, and are useful members of society. Our records also show that a large proportion of those who are placed under treatment on the first appearance of mental disease are restored within a period of six months. It is important, therefore, that the patient should at once be confided to the care of a hospital designed for the special treatment of his malady.

The table also shows that so large a proportion as one hundred and ninety-nine were committed by the probate courts of the several counties, thus making the commitment of the patients a legal, open, fair arrangement in a large majority of cases. Of the eighty-six persons who were admitted on bonds, proper certificates from physicians accompanied the bonds, except in a few cases, when the patient voluntarily sought the care and protection of the hospital. Of the one hundred and ninety-nine committed by the courts, one hundred and twenty-six were supported by the charity of the State. Of this class, one hundred and fifty-four were discharged, leaving one hundred and one in the hospital at the close of the year.

TABLE No. 3,

Showing the Number Admitted, Restored, Improved, Died, &c., in each Month in the Year.

	Ar	мітт	ED.					I	EM:	OVE	D.	-			RE	MAININ	G.
MONTHS.	ž.	ales.	ls.	-	restored.	Tomorood	makondur.	Not	improved.	Died	Dieu.		Toţal	s.	s,	ales.	ls.
	Males.	Females.	Totals.	м.	F.	М.	F.	м.	F.	M.	F.	м.	F.	т.	Males.	Females.	Totals.
October, . November, . December, . January, . February, . March, April, . May, June, July, August, . September, .	11 12 17 9 21 8 13 18 14 14 11 6	12 13 14 20 12	34	6 6 7 4 1 1 1 1 1 1 1 1 7 7	$ \begin{array}{r} 9 \\ 5 \\ 4 \\ \hline 1 \\ \hline 3 \\ 7 \\ 10 \\ 7 \\ 8 \\ 9 \\ 9 \end{array} $	3 -5 15 5 2 7	1 5 4 1 - 1 7 11 10 3 4 7	2 - 3 2 - 1		- 2 5 1 2 4 4 1 5 2	1 1 2 - 2 1 1 3 1 1 3	8 9 12 10 7 3 24 30 19 20 16 9		19 20 22 12 9 8 39 54 37 32 30 32	193 196 201 200 214 219 208 196 191 185 180	186 187 186 192 201 206 203 192 188 196 194 178	379 383 387 392 415 425 411 388 379 381 374 355
Totals, .	154	134	288	86	- 72	47	54	8	4		 17	167	147	314	-	-	

TABLE No. 4,

Showing the form of Disease in those Admitted and Discharged during the year.

	1	DMITTED	•	D	ISCHARGE	D.
FORM OF DISEASE.	Males.	Females.	Totals.	Males.	Females.	Totals.
Mania, " Chronic, " with Epilepsy, " with general Paralysis, Melaneholia, Dementia, " Senile, " with Epilepsy, " with general Paralysis, Monomania of Fear, of Pride, of Suspicion,	63 13 7 6 19 20 1 4 9 7 5	70 26 4 1 17 9 - - 5 2	133 39 11 7 36 29 1 4 9 12 7	56 30 5 4 19 18 6 10 6 5 5 3	59 37 21 14 2 3 1 4 2	115 67 8 4 40 32 8 13 7 9 7
Totals,	154	134	288	167	147	314

TABLE No. 5.

Supposed Causes of Insanity of Patients admitted into the Hospital from January 18, 1833, to September 30, 1866.

		18	67.	PREVI	ously.
CAUSES.		Males.	Females.	Males.	Female
Apoplexy,		_	_	1	2
Asthma,		_	1 -	1	1
Bronchitis,		_	_	_	1
Bowels, Disease of,		_	-	1	-
Cancer,		_	-	-	1
Chorea,		_	-	_	$\bar{3}$
Constipation,		_	i - I	-	_
Convulsions		_	_	10	12 2 2 64
Dysentery,		_	_	2	2
Dyspepsia,		_	_	3	2
Epilepsy,		11	5	177	64
Eruptive Diseases,		• _	_	3	3
Eyes, Disease of,		_	- 1	2	_
Eyes, Loss of,		_	_	1	_
Erysipelas,		_	_	_	1
Fevers,		1	_	51	72
Fevers,		_	_	_	1
Hemorrhoides,		_	_	1	1
Ill Health,		41	44	216	900
Influenza,			1 1	1	3
Insolation,		_	_	19	_
Idioey,			_	18	10
Laryngitis,		_	_	_	_
Measles,	:	_	_	4	6
Nervous Irritation,	:	_	_	_	_
Nymphomania,	:	_	_	_	4
Old Age,	:	2	3	28	$3\hat{1}$
		_	_		-
	•	14	2	77	28
l'aralysis,	•	11			20
Pneumonia,	•			5	1
Rheumatism,	•	$\frac{1}{2}$	2	$\frac{3}{2}$	9
	•	-		ĩ	2 1 2 3
	•	_	-	_	ຄ
Somnambulism,	•	_		$\frac{1}{4}$	9
Suppressed Eruptions,	•		l i	1	9
Suppressed Ulcer,	•	-		1	-
Satyriasis,	•		1		1
Tic Douloureux,	•	-	1	-	1
umor,	•	_	-	1	
Whooping Cough,	•	_	_	1	01
Amenorrhæa,	•	-	2	_	21
actation, Excessive,	•	-	. 1	_	3
Menorrhagia,	•	-	-	_	10
Menorrhagia, Suppressed,		-	_	_	27
Miscarriage,		_	1 1	-	4

Table No. 5—Concluded.

CAUSES.	18			
on one.		67.	PREV	IOUSLY.
	Males	Females.	Males.	Females.
Pregnancy,	_	_	_	12
Puerperal,	_	8	_	220
Turn of Life,	_	13	_	77
Amputation of Leg	_		1	_
Bathing in Cold Water,	1	_	$\tilde{2}$	_
Drinking Cold Water,	_		ī	_
Exposure to Cold,	_	_	11	13
Injuries by Falling, &c.,	2 2	1	20	6
Injury of Head,	$\frac{1}{2}$	î i	60	13
Injury of Spine,	_	ī	5	7
Lead, Poison of,	_	_	5	
Lightning, Stroke of,	_	_	_	1
Labor, Excessive,	_	_	44	60
Loss of Sleep,	1	_	_	3
Study, Excessive,	_	_	29	12
Spiritualism,	2	_	20	24
Criminal Trial,		_		1
False Accusation,	_	' _	_	i
Imprisonment,	_	_	4	î
Death of Relatives,	1	4	30	86
Damastia Traubla	î	3	114	343
Marriage, Unhappy,		-	2	5
Discounting to the total	1	2	66	100
Disappointment in Love,			9	9
Home Sickness,	_	_	6	18
Fright,		_	21	24
Seduction,				3
Millerism,		_	9	6
Political Excitement.		_	10	1
Religious Excitement,	2	_	156	177
Pecuniary Trouble,	$\bar{1}$	1	144	37
Poverty,		_	1	1
Poverty, Fear of,	_	_	$3\overline{2}$	8
Prosecution,	_	_	1	_
Giving up Business,	_	_	$\hat{2}$	_
Ohanna of Duringer	1	_ i	8	_
Violent Temper,	1 _	2	2	13
Jealousy,	_		18	28
Intemperance,	17	3	613	84
Opium, Use of,	-	_	3	9
Tobacco, Use of,	_	_	$\frac{\circ}{2}$	7
Masturbation,	26	3	383	66
Venery, Excess of,		_	1	_
Unknown,	25	31	1,118	1,133
-				
Totals,	154	134	3,783	3,831

The foregoing table shows the causes, as assigned by the friends of the patients, of insanity in the admissions of the year and of all previous years since the opening of the hospital. These may all be arranged in two classes, according as their influence was of a moral or physical nature. The table illustrates with sufficient clearness for all practical purposes the proportions which these classes bear to each other; and in this respect the statements made in the table are more reliable than in any other.

In general, the histories given us of the patients are meagre and not wholly to be depended upon, so that it is impossible to give a complete classification of the causes of insanity in the admissions of one year even, or show very clearly the combinations of circumstances influencing the patient previous to his mental disease. It is hoped that a more satisfactory table in this department may hereafter be presented, considerable labor having already been expended in that direction.

Table No. 6,

Showing the Ages of Patients Admitted, Discharged Recovered, not Recovered and Died during the Year.

AGES.	Арыі	TTED.		ERED.		RGED NOT	Ďi	ED.
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Less than 15,. From 15 to 20, 20 to 30, 30 to 40, 40 to 50, 50 to 60, 60 to 70, 70 to 80, 80 to 90, Unknown,	1 9 37 36 35 19 11 5 1 -	2 9 26 35 27 16 12 4 3 -	28 7 28 15 13 16 3 1 1 1	10 14 15 20 7 6 -	1 4 20 10 10 5 2 2 1 -	5 13 13 15 10 2 -	1 -4 4 6 4 2 4 1 -	1 1 2 2 3 1 8 2 2 -

TABLE No. 7,

Showing the Ages of Patients Admitted, Discharged Recovered, not Recovered and Died, from January 18, 1833, to September 30, 1866.

AGES.	Армі	TTED.		RGED RE-	DISCHAI	RGED NOT	D	IED.
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Less than 15,.	32	25	5	11	20	12	1	1
From 15 to 20, 20 to 30,	$\frac{229}{1,005}$	234 964	123 491	138 491	67 356	$\begin{bmatrix} 63 \\ 372 \end{bmatrix}$	15 65	15 73
30 to 40,		1011	452	488	400	370	102	98
40 to 50,	797	830	339	375	289	276	106	97
50 to 60, 60 to 70,	421 255	$\begin{array}{c c} 466 \\ 217 \end{array}$	177 90	219 102	161	148	75 56	86 55
70 to 80,	99	71	23	26	25	21	40	23
80 to 90,	14	12	5	2	4	4.	5	5
Unknown,	1	1	-	-	-	-	-	-
Totals,	3,783	3,831	1,705	1,852	1,423	1,335	465	453

Table No. 8,

Showing the Duration of Insanity before Admission of Patients Admitted, Discharged Recovered, not Recovered, and Died during the year.

	Admi	itted.	1	arged vered.	1	'd not vered.	Di	ed.
DURÂTION OF INSANITY.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Insane 1 year or less,	99	81	78	60	31	35	13	11
More than 1 year, and less than 2 years,	18	13	4	6	12	8	4	-
More than 2 years and less than 5 years,	16	14	2	4	5	6	4	_
More than 5 years and less than 10 years,	9	11	1	1	1	6	2	2
More than 10 years and less than 15 years,	4	9	1	1	2	1	1	2
More than 15 years and less than 20 years,	2	3	-	-	2	1	1	-
More than 20 years and less than 25 years,	-	2	-	-	1	1	-	1
More than 25 years and less than 30 years,	2	-	-	-	1	-	-	-
Thirty years or more,	3	1	-	-	_	_	-	-
Totals,	154	134	86	72	55	58	26	17

Table No. 9,

Showing the Duration of Insanity before Admission of Patients Admitted, Discharged Recovered, not Recovered, and Died, from January 18, 1833, to September 30, 1866.

	Adm	itted.	Dischar	rged Re-	Dischar	rged not rered.	Die	ed.
DURATION OF INSANITY.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Insane one year or less, .	2,387	2,598	1,310	1,445	641	605	231	277
More than one year, and less than 2 years, .	146	117	172	155	110	86	31	17
More than 2 years, and less than 5 years, .	533	507	116	132	205	185	89	67
More than 5 years, and less than 10 years,	294	269	47	56	213	202	36	29
More than 10 years, and less than 15 years,	154	161	13	22	110	103	31	25
More than 15 years, and less than 20 years, .	71	44	9	9	44	65	19	11
More than 20 years, and ss than 25 years, .	50	42	7	6	32	35	5	7
More than 25 years, and less than 30 years,	19	16	5	1	10	10	7	6
Thirty years or more, .	32	29	2	5	13	13	8	6
Unknown,	97	48	24	21	45	31	. 8	8
Totals,	3,783	3,831	2,705	1,852	1,423	1,335	465	453

TABLE No. 10,

Showing the Civil Condition of Patients Admitted, Discharged Recovered, not Recovered, and Died during the year.

CIVIL	Адді	TTED.		RGED RE-		RGED NOT	Di	ED. F
CONDITION.	Males.	Females.	Males.	Females.	Males.	Females	Males.	Females.
Unmarried,	81	52	50	35	. 35	30	6	7
Married,	64	56	33	18	16	20	16	4
Widowers,	7	-	3	-	4	-	4	-
Widows,	-	26	-	19	-	8	-	6
Unknown,	2	-	-	_	-	-		-
Totals,	154	134	86	72	55	58	26	17

Table No. 11,

Showing the Civil Condition of Patients Admitted, Discharged Recovered, not Recovered, and Died from January 18, 1833 to September 30, 1866.

CIVIL	Арм	ITTED.	1	RGED RE-		RGED NOT	DIED.	
CONDITION.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Unmarried, .	1,991	1,634	840	734	858	702	181	191
Married, .	1,597	1,722	795	899	501	487	225	178
Widowers, .	172	-	67	-	52	-	53	_
Widows, .	_	454	_	216	-	132		82
Unknown, .	23	21	3	.3	12	14	6	2
Totals, .	3,783	3,831	1,705	1,852	1,423	1,335	465	453

TABLE No. 12,

Showing the Occupation of Patients admitted to the Hospital from January 18, 1833, to September 30, 1867.

осст	PA	TION	0 F	мал	LES.			1867.	Previously.
Auctioneers,								_	2
Armorers,								_	3
Authors, .								_	3
Blacksmiths an	nd Ir	on-wo	rker	s.				4	66
Bakers, .			•	-,				_	12
Butchers,								_	5
Book-agents,								-	2
Book-binders,								-	$\frac{2}{3}$.
Broom-makers								_	2
Book-keepers,	,			:	i			_	10
Brittania-work	ers.								2
Brick-makers.								_	. 6
Bellows-maker	S.	:						_	$\tilde{2}$
Barbers, .	-,							- 1 ·	15
Barbers, . Clergymen, Carvers, .		•	:	•	•	•			25
Carvers		•		•	•	•			3
Carnenters	•			•	•	•	•	2	125
Carpenters, Coppersmiths,	•	•	•	•	•	•	•	~	9
Coopers, .	•	•	•	•	•	•	•	_	22
Coopers, . Cabinet-makeı	•	•	•	•	•	•	•	_	17
Clothiers,	5,	•	•	•	•	•	•	1	15
Comb-makers,	•	•	•	•	•	•	•	1	4
Confectioners,	•	•	•	•	•	•	•	_	3
Confectioners,	•	•	•	•	•	•	•	_	1
Card-makers,	•	•	•	•	•	•	•	_	3
Chair-makers,	•	•	•	•	•	•	•		6
Cigar-makers,	•	•	•	•	•	•	•	9	
Clerks, .	•	•	•	•	•	•	•	9	102
Carpet-weaver		•	•	•	•	•	٠	-	3
Caulkers,		•	•	•	•	•	•	-	
Camphene-dist	iller	s,	•	•	•	•	•	-	3
Dyers,	•	•	•	•	•	•	•	-	3
Druggists,	•	•	•	•	•	•	•	-	3
Drovers, .		•	•	• •		•		7	$\frac{2}{3}$
Daguerreotype	eists,	•	•			•	•	1	3
Engineers,	•		•	•		•		-	$\hat{2}$
Engravers,	•				•			-	4
Editors, .	•	•						-	4
Expressmen,								-	14
Farmers,.								. 17	746
Engravers, Editors, Expressmen, Farmers, Fishermen, Gardeners								2 1	33
Citi acticio,									9
Glass-blowers,								-	4
Hotel-keepers,									14
Hatters, .								1	7
Harness-maker	rs,							- 1	14
Hackmen and	Tea	msters	,					2	35
Jewellers,								_	21

Table No. 12—Continued.

0 C C U	PATIC	0 N	F M	ALES	3,		1867.	Previously.
Lawyers, .							1	15
Laborers, .							40	850
Manufacturers,	Ī						. 1	31
Millers,		•	•				_	6
Merchants, .		·	Ċ		•		6	155
Masons,		•	•	•		1	_	32
Miners,	•	•	•	•	•		_	4
Miniature-paint	er	•	•	•	•	•		î
Mat-makers, .		•	•	•	•	•	_	3
Musicians, .	•	•	•	•	•	.	1	7
Machinists,	•	•	•	•	•	.	6	49
Moulders, .	•	•	•	•	•	•)	_	7
Operatives in N	fille	•	•	•	•	•	12	82
Palm leaf splitt	amo,	•	•	•	•	•	12	1
Pointona	er, .	•	•	•	•	•	$\frac{1}{2}$	47
Painters,	•	•	•	•	•	•	1	34
Printers,	•	•	•	•	•	•	4	24
Physicians, .	•	•	•	•	•	•	4	7
Paper-makers,	•	•	•	•	•	•	1	
Peddlers, .	•	•	•	•	•	•	1	15
Potter,	, ,	•	•	•	•	•	-	1
Pump and Bloc	k-make	ers,	•	•	•	•	-	4
Pattern-makers		•	•	•	•	•	-	4
Plumbers, .		• 1	•	•	•	•	-	5
Police Officers,		•	•	•		•	-	3
Rope-makers, .				• •			- -	11
Restaurators, .	•	•	•				4	. 8
Shoemakers and		make	rs,			•	15	300
Sail-makers, .							_	9
Soap-makers, .	•						2	8
Sash and Blind	-maker	S, .					· -	. 3
Sea-captains, .				_ •			-	16
Sailors,							1	160
							1	- 58
Ship-carpenters	з						-	9
onon-keepers							-	, 5
Stone-cutters							3	10
Stone-cutters, . Soldiers,							$\overset{\circ}{2}$	25
Sexton,		•				• •	_	1
Stevedore		Ĭ	į				_	1
Surveyors, . School-boys, .	•	•	•	· ·			_	$\tilde{2}$
School-boys	•	•	•	·	·	•	_	29
Tailors,	•	•	•	•	•	•	1	27
Teachers, .	•	•	•	•	•	•	_	38
	•	•	•	•	•	•		3
Tobacconists, .	•	•	•	•	•	•		8
Tinners,	.•	•	•	•	•	•	3	23
Tanners,	•	•	•	•	•	1.*	9	25
Umbrella-make	ers, .	•	•	•	•	•	_	18
Wheelwrights,		•	•	•	•	•	6	236
No occupation,	•	•	•	•	٠	•	6	250
Totals, .							154	3,783

Table No. 12—Concluded.

0000	PAT	1 O N	o F	FEI	MAL	ES.	.]	1867	Previously.
							i		
Actresses,	•				•	•	.	-	2
Cooks, .							.	1	63
Engraver,								-	1
Housekeepers	,							76	2,052
Housemaids,								17	391
Laundresses,								_	. 4
Music teacher								_	3 2
Midwives,								_	2
Nurses, .								_	14
Operatives in	Mills							19	208
Seamstresses,			·					12	734
School-girls,			•	Ť		·	Ĭ	4	41
reachers,	•		:	•	:	•	•	$\frac{1}{2}$	80
Type-setters,			:	•	:	•	•	_	3
No occupation			•	•	•	•	•	3	233
No occupation	1,	•	•	•	•	•	•	3	200
Totals,								134	3,831

TABLE No. 13.

Diseases which have proved fatal, from January 18, 1833, to September 30, 1867.

				+	18	67.	Previously.		
D	1 S E	ASE			Males.	Females.	Males.	Females.	
Apoplexia,					_	-	16	11	
Asphyxia,					-	-	2	-	
Asthma, .					-	-	4	1 7	
Ascites, .					-	-	5		
Autochiria,				.	-	-	16	11	
Bronchitis,					_	- !	2	_	
Carcinoma,					_	-	2	2	
Cardionosus,			٠.		-	2	11	12	
				.	-	-	5	_	
Cholera Morb	us,				_	-	2	3 1 6	
Cystitis, .					***	-		1	
Dysenteria,					-	-	12	6	
Delirium Trei		3, .			-	-	4	_	
Enteritiz,		· .		.	_	-	6	9	
Epilepsia,					3	[4	71	33	
Erysipelas,					_	_	9	10	
Hepatitis,					·_	1	_	$\frac{2}{1}$	
Hydrothorax,					_	_	1	1	
Hernia, .					_	_	1	_	
Inanitio, .					2	1	36	57	

TABLE No. 13—Concluded.

					18	67.	Previously.		
DIS	EASE	s.			· Males.	Females.	Males.	Females.	
Senectus, Typho-Mania, .	alis,	•			242 - 55 - 3 -	1 2 1 - 3 - 2	13 68 9 - 1 50 60 - 15 26 8 8	14 68 14 1 2 20 121 2 9 19 11 6	
Typhoid Fever, Variola,	:		•	•	_	=	1	-	
Totals, .					26	17	465	453	

Table No. 14,
Showing the Admissions from each County, from January 18, 1833, to
September 30, 1867.

					1867.			
COUNT	TIE	s.		Males.	Females.	Totals.	Previously.	Whole No.
Barnstable, Berkshire, Bristol, Dukes, Essex, Franklin, Hampden, Hampshire, Middlesex, Nantucket, Norfolk, Plymouth,			•	32.	23 	55 - 99 - 7	128 189 294 19 1,104 126 372 225 1,287 32 630 236	128 190 294 19 1,159 126 372 225 1,386 32 637 238
Suffolk, . Worcester, Other States,				5 63	6. 50	11 113	731 2,199 42	742 $2,312$ 42
Totals,			=	154	134	288	7,614	7,902

TABLE No. 15,

Showing the Whole Number of Patients during the last year, the Average Number, the Number at the end of each year, the Expense of each year, the Annual Expense for each Patient, and the Expense of each Patient per week for each of the Thirty-five Years the Hospital has been in operation.

YEARS.	Whole Number.	Average Number.	No. at end of each Year.	Current Expenses of each Year.	Annual Expense for each Patient.	Expense per Week for each Patient.
1833,	153 233 241 245 306 362 397 391 430 458 491 656 637 607 655 682 670 704 775 820 819 580 577 647 679 501 532 583 600 611	107 117 120 127 163 211 223 229 233 238 244 261 316 359 377 404 420 440 462 515 537 430 349 357 387 372 369 369 401 398	114 118 119 138 185 218 229 236 232 238 255 263 360 367 394 409 429 441 466 532 520 381 336 376 372 301 317 331 379 396 399	\$12,272 91 15,840 97 16,576 44 21,395 28 26,027 07 28,739 40 29,474 41 27,844 98 28,847 62 29,546 87 27,914 12 29,278 75 43,888 65 39,870 37 39,444 47 42,860 05 40,870 85 40,870 85 46,776 13 52,485 33 43,878 35 53,606 66 53,221 52 54,895 88 45,631 37 49,004 75 38,267 26 48,363 33 47,757 26 48,363 33 47,757 26 48,363 33 47,758 26 48,363 33	\$114 67 135 38 137 30 168 44 159 64 136 20 132 16 121 59 123 81 111 12 114 40 112 17 138 88 111 06 104 62 106 09 97 31 106 40 112 61 85 20 103 14 123 77 157 29 128 64 124 04 102 86 156 51 147 39 148 37 132 18 166 03	\$2 25 2 66 2 64 3 12 3 07 2 62 2 53 2 33 2 38 2 13 2 20 2 15 2 01 2 04 1 87 2 04 2 16 1 64 1 98 2 38 3 02 2 47 2 38 2 39 3 01 2 83 3 02 3 38 3 05 3 07 2 16 3 07 3 07 3 07 3 07 3 07 3 07 3 07 3 07
1864, . 1865, . 1866, . 1867, .	625 565 630 669	366 350 368 389	344 343 381 355	66,612 00 73,772 41 88,398 73 86,930 88	182 00 211 37 239 28 223 47	3 50 4 06 4 60 4 30

It will be seen by the foregoing table, that the number of patients under treatment during the year was larger than during the previous year, and the average number was considerably greater. It will also be noticed that while the number

was increased, the aggregate cost of support was somewhat diminished, thus making the average weekly expense per patient very considerably less.

While great care has at all times been taken that the expenses of the institution should be kept as low as possible, it has seemed to be a wise economy to expend all that was necessary for the most complete and speedy restoration of all curable patients, and just and humane to spare no expense in our efforts to relieve, as far as is possible, the mental condition of those who do not recover, and render their situation as comfortable as the nature of their several complaints will permit.

While the cost of support has been somewhat diminished, the following statement of prices for several years past will show no great reduction in the cost of any article of consumption, except coal. Breadstuffs and labor still remain at the high rates held during the war, with no prospect of immediate change.

			-			•			F	RI	CE	s.					
ARTI	СГ	ES.		18	61.	18	62.	18	63.	18	64.	18	65.	18	66.	18	67.
Sugar,.				\$0	081	\$0	11	\$0	$14\frac{1}{2}$	\$0	$24\frac{1}{2}$	\$0	20	\$0	14	\$0	141
Molasses,					26		46		55	1	00		85		70		65
Tea, .		٠.			42		65		75	1	15	1	12	1	10	1	05
Coffee,					16		26		32		45		40		35		32
Butter,					16		23		28		55		47		50		30
Rice, .					$7\frac{1}{4}$		8		$8\frac{1}{4}$		14		12		11		11
Codfish,					3		$4\frac{3}{4}$		$6\frac{3}{4}$		$7\frac{1}{2}$		8		$7\frac{3}{4}$		7
Beef, .					$6\frac{1}{2}$		7		8		15		18		18		16
Flour, of the			used •	6	75	7	00	8	75	15	00	11	00	14	00	14	50
Standard Dress Go			for .		9		13		25		37		35		25		16
Cottons, 36	inc	hes w	ide,		$9\frac{1}{2}$		21		35		65		40		32		21
Cottons, 45	ine	hes w	ride,		$12\frac{1}{2}$		28		50		75 ,		70		46		33
Blankets,				2	75	3	50	6	50	9	00	9	5 0	7	50	5	75
Coal, .				6	50	6	75	10	50	16	50	15	00	12	50	8	00

A considerable expense must be made in the course of the ensuing year, for paints and oils, and the necessary labor of painting, papering and general repairing, which has been neglected during the period of high prices, and which cannot longer be left undone without great detriment to the property of the Commonwealth. The annual repairs of an establishment subjected to the hard uses of hospitals for the insane, must always be considerable.

Twenty-six males and seventeen females have died during the year. Of these deaths, three resulted from the complications incident to mania in its acute stage, three from organic disease of the brain, eight from phthisis, two from disease of heart, seven from epilepsy, five from general paralysis, six from marasmus, five from the diseases incident to old age, and four from the gradual exhaustion of chronic mania. Three of the deaths occurred suddenly, two of which were almost instantaneous.

Of the patients who died in the course of the year, four were admitted while suffering from mania in its acute stage, thirteen while suffering from chronic mania, nine from melancholia, and seventeen from dementia.

Of those who died, three did not live more than one week after being placed in the hospital, five others died within two weeks after admission, and four more died before the expiration of one month; six died between one and three months, one between three and six months, and three between six months and one year after admission, and twenty-one were residents of the hospital for longer periods than one year.

The records of the hospital show in each year how dangerous a disease insanity really is; and although a favorable termination may generally be expected after safely passing through the acute stage, yet so large a proportion as thirty-nine out of forty-three deaths occurred to patients who had been admitted to the hospital after the acute stage of disease had passed, and recovery had become well-nigh hopeless. It is safe to suppose, that had these persons been earlier committed to some hospital for curative treatment, the recoveries and not the deaths, of some of them at least, might have been reported.

It has happened, in several instances in the course of the year, that patients have been brought to the hospital who were too ill and feeble to bear the excitement and fatigue of the journey, and a permanent injury had resulted to the persons thus committed. In some of these cases death has speedily followed the admission of the patient.

While it is highly important that prompt measures be resorted to in the treatment of insanity, the most scrupulous care should be taken that the patient be not subjected to the exposure and fatigue attendant upon removal in a feeble and exhausted state of health.

As usual, quite a number of very aged persons have been committed to our care in the course of the year. Four persons have been committed to the hospital, who were each more than eighty years of age, and one of whom was more than eighty-five. Five have been committed who were between seventy-five and eighty, and five who were between seventy and seventy-five. The hospital is not a proper place for these persons. They can receive no benefit by a residence in it. They should be cared for by their families and friends, and failing in that, there should be some retreat, some home, where these feeble, aged persons could quietly spend the remainder of their days, under the care of kind, faithful, judicious nurses, and peacefully pass from this to the world to come. You will remember that this subject has been often reported to you, and you will also remember with what feelings of sadness you have, in your visits, contemplated the condition of these poor old men and women, sent away from home, family and friends, at that period of life, and in that condition of mental and bodily infirmity, when the kind attentions of relatives and friends, the comforts and pleasures of home, are most needed, and for the hope of which, all the energies of youth and manhood have been exhausted. Let me most earnestly recommend the establishment of a home and family for this most helpless class of your patients, and let us hope that the recommendation may be most speedily acted upon, so that we may be able to give these persons committed to our care the comfort and protection they so much need.

Among the old and feeble patients in the hospital, there has been more than the usual amount of bodily illness of a somewhat mild character, caused in part by the enfeebled condition of many when admitted, and in part by the long-continued cool, wet, changeable weather of the spring, summer and early autumn.

The following tables will illustrate some of the results of labor performed by the inmates of the hospital. The greatest and best of all results, however, the increased health, vigor and activity, both mental and physical, of the patients, cannot be shown in any table, and can hardly be estimated.

About sixty per cent. of the patients perform some labor, directed and assisted by their attendants, and about twenty per cent. labor to advantage, under the direction of their attendants, without assistance. A very large proportion of the females are employed during some part of each day, at labor of some description. The males suffer from the want of those light employments which are so convenient and useful to females, and having been bred only to labor of a rougher character, are, when insane, little inclined to form any new habits useful to themselves or others.

All labor done by the immates of the hospital is of an unsteady, unreliable nature, requires constant oversight, direction and assistance, and is of a quality which few employers would be willing to purchase at any price.

Our patients, perhaps, receive the most direct advantage of labor from the healthy, pleasant occupation the farm and gardens afford to such as engage in that kind of work. Our tables show that the products of the farm have been abundant, and have well repaid the labor devoted to their cultivation and growth.

A very considerable amount of labor has been expended in fencing, ditching, under-draining and improving the value of the land belonging to the hospital. The gardens have been materially improved, the lawns enlarged, new walks and driveways laid out, and many trees removed, and others transplanted.

TABLE

Showing the Number of Days' Work of Patients and where performed, for the Year ending September 30, 1867.

	sight rea Y of	2,089	825	4,941	5,358	4,690	686	2,567	7,988	29,397
SEPTEMB'R.	Females.	16	1	301	470	1	1	ı	393	1255
SEPTI	Males.	113	06	137	1	473	66	202	250	1364
AUGUST.	Females.	110	1	271	451	1	1	1	402	1234
AUG	Males.	103	87	147	1	436	26	227	281	1378
JULY.	Females.	66	ı	271	432	1	1	1	362	1158
Ju	Males.	ш	81	138	1	544	66	203	280	1456
JUNE.	Females.	91	1	271	469	1	1	1	381	1212
Ju	Males.	87	62	143	_ F	524	91	191	300	1398
Max.	Kemales.	88	` 1	271	473	1	1	1	389	1221
M	Males.	71	89	141	1	507	98	288	299	1460
APRIL.	Lemsles.	87	. 1	267	421	1		1	380	1155
AP	Males.	83	62	138	, 1	266	.80	290	298	1217
MARCH.	Females.	7.9	1	287	437	1	. 1	'	381	1184
MA	Males.	85	54	131	1	211	58	311	258	1105
ARY.	Females.	67	1	261	467	: ¹ ,	1		405	1209
FEBR'ARY.]:səlel(8,	57	146	1	217	52	214	271	1035
JANUARY.	Females.	91	ı	291	479	1	1	1	417	1278
JANI	Males.	84	61	140	1	288	47	206	282	1108
DECEMB'R.	Females.	83	- 1	271	457	1	ı	1	378	1189
DECE	Males.	57	29	138	'	327	99	156	272	1088
NOVEMB'R.	Females.	-1	1	261	431	- 1	1	1	401	1170
Nove	Males.	7.9	99	128	1	408	98	141	273	1181
BER.	Females.	81	1	264	371	1	1	1	374	1090
OCTOBER.	Males.	91	0.2	127	ı	489	88	138	264	1252
	PLACE OF LABOR.				· · · · smoo		Yards and Gardens,			
	PLACI	Kitchen, .	Bakery,	Laundry, .	Sewing Rooms, .	Farm,	Yards and	Shops,	In Wards, .	Totals,

Articles made in the Sewing-Rooms during the Year.

Aprons,	•		51	Mattress Ticks,				270
Bed-Spreads, .			137	Mittens, pairs of,				18
Bed-Ticks, .			106	Neck-ties, .				29
Blankets, .			29	Night-Dresses,				21
Bags,			19	Night-Caps, .				23
Carpets,			11	Overalls, pairs of,			•	17
Chemises, .			183	Pants, pairs of,		•	•	44
Coats,			5	Pillow-Cases, .				311
Collars,			41	Sheets,				194
Curtains, .			53	Shirts,				211
Drawers, pairs of	, .		64	Shirt-Bosoms, .				26
Dresses,			181	Skirts and Quilts,				78
Edging, yards of	, .		38	Suspenders, pairs	of,		•	22
Frocks,			3	Table-Covers,		•	•	21
Handkerchiefs,			31	Towels,				211
Hose and Socks,	pairs	of,	52	Undershirts, .		•	•	11
Jackets,			19	Vests,				17

Articles repaired in the Sewing-Rooms during the Year.

Aprons, .	•		111	Night-Dresses,				98
Blankets,			117	Overalls, pairs	of,			63
Bed-Spreads,			121	Pants, pairs of	,			1,089
Bed-Ticks,			641	Pillows, .				87
Bags, .			19	Pillow-Cases,				483
Chemises,	•		3,621	Sheets, .	•			931
Coats, .			429	Shirts, .				4,327
Collars, .			47	Shirt-Bosoms,				34
Curtains,			73	Skirts, .				198
Drawers, pairs	of,		672	Stockings, pai	rs of,			4,962
Dresses, .			849	Table-Cloths,				49
Frocks, .			31	Towels, .				218
Jackets, .			82	Undershirts,		•		124
Mattresses,			97	Vests, .			٠	171

Articles made in the Shops.

						With the second second	-			THE PERSONNEL PROPERTY.
Beehives,					7	Set of Shelves,				3
Bolts, .			•		63	Pair of Shafts,				1
Boxes, .				٠.	34	Table-Legs, .				110
Bedsteads,					13	Tool-Handles,				50
Bureaus,					2	Watch-Chains,				2
Boot-Jacks,					3	Patterns, .		•		12
Knobs, .					45	Writing Desks,				4
Chair-Rounds	,				150	Picture-Frames,				30
Ox-Sleds,					2	Gimlets,				3
Tent-Frame,					1	Stone-Boats, .				2
Truck, .					1	Iron Rods, .				30
Dog-House,					1	Knife-Blades, .				20
Curtain-Stick	s,				60	Mattresses, .			•	270
Screens, .				•	3	Pillows,				311
Chisels, .					13	Rabbit Planes,				6
Coal Sieves,					4	Turning Lathe,				1
Wardrobe Ho	ooks,				12	Roof Sashes, .	•	•		4
Settees, .					3	Wardrobes, .				2
Small Tables				•	29	Whiffletrees, .	•			4
Wash-Stands	, •				7	Barrel-Covers,				6
Flower-Stand	ls,				4	Walking-Sticks,				6
Tool-Chests,		. 1		•	6	Buckets, .				12
Work-Boxes,					8	Brackets, .				12
Screw-Driver	s,				7	Mop-Sticks, .				.74
Models, .					4	Windows glazed,				600

Articles repaired in the Shops.

Bedsteads,					27	Razors, .					30
Brass Rings,					18	Rakes, .					36
Boots, pairs of	f,				13	Saws, .					40
Boxes, .					21	Shaft-Wheel,	•				1
Bureaus,					16	Stands, .		•			24
Blinds, .	•			•	21	Settees, .					50
Brooms, .	•		•		7	Scissors, .	•				18
Chairs, .	•				127	Sofas, .					4
Clocks, .	•				4	Sleigh, .					1
Coffee-Pots,			•		12	Chains, .					4
Chisels, .					21	Sleds, .					2
Crickets,	•	•			6	Sashes, .					12
Flower-Stands	5,				4	Tubs, .				•	8
Flat-Irons,					6	Tables, .					12
Frames, .	•		•		21	Tin Pans,					24
Boots Ironed,	pairs	of			9	Tea Kettle,					1
Looking-Glass	es,				24	Trunks, .		•			8
Horse Wagons	5,				2	Umbrellas,					4
Ox Wagons,			•		2	Window-Rods	Ξ,				50
Hoes, .	•				18	Windows,					74
Iron Bars,	•				2	Wheelbarrow	s,		0 -		6
Knives, .			•		24	Lock Keys,					24
Pen-Knives,					12	Book-Cases,					4
Lounges,	•				8	Hay-Forks,					2
Lanterns,	•				4	Hand-Carts,					2
Pails,	•				27	Saws filed,					50
Parasols,	•				2						

Products of the Farm.

Market	
ARTICLES. Value. Total	Value.
Apples, 40 bbls., \$4 50	\$180 00
Pears, 4 00	140 00
Cherries,	10 00
Grapes, 25 " 2 00	50 00
Tomatoes,	225 00
Currants,	30 00
Sweet Corn,	75 00
Gooseberries, 2 " 2 00	4 00
Beans, 30 " 3 00	90 00
Parsneps, 100 " 50	50 00
Turnips,	75 00
Potatoes, 600 " 1 00	600 00
Beets,	75 00
Mangel-wurzel, 1,200 " 30	360 00
Carrots, 1,200 " 35	420 00
Squashes, 60 00	180 00
Peppers,	12 50
Cucumbers,	55 25
Cabbages, 2,500 heads, 10	250 00
Rhubarb, 2,500 lbs., 02	50 00
Hay, 100 tons, 20 00 3	,000 00
Corn fodder,	150 00
Milk,	3,300 00
Beef, sold,	,528 66
Pork, sold, 5,242 " 15	786 30
Other produce sold,	257 37
Total,	,954 08
Total,	

TABLE No. 16,

Showing the Statistics of the Hospital from January 18, 1833, to September 30, 1867.

	l																	
	1833.	1834.	1835.	1836.	1837.	1838.	1839.	1840.	1841.	1842.	1843.	1814.	1845.	1846.	1817.	1848.	1819.	1850.
Whole member admitted	- 52	110				-				00	, 00	000	900	i			1	
a whole manner adminied,	100	611	_	_		Ť	Ė	_	00	193	022	200	293	77	240	561	273	241
Whole number discharged,	33	1115		-		_			29	191	203	528	196	270	213	246	253	556
Discharged recovered,	25	- 64 -		_			_		85	88	116	124	122	154	103	136	138	195
Discharged improved,	_	61	_				_	_	36	25	35	40	25	31	233	35	26	15
Discharged not improved,	C1	50				_	37	_	37	99	83	49	25	47	57	48	55	30
Died,	4	8			6			15	15	15	55	15	24	88	30	308	37	57
Eloped,	-	-					_	_	1	I	1	1	ı	1	1	1	,	1
Whole number in hospital during year,	153	233	241	245		362 3	397 3	391 3	399	430	458	491	556	637	209	655	685	029
Number remaining at end of each year,	114	118							35	238	255	263	360	367	394	409	429	441
Males admitted,	96	69	_						73	107	111	109	164	138	105	128	134	129
Females admitted,	57	50		_					06	91	109	127	129	139	135	133	139	112
Males discharged,	19	58	_						7.1	96	6 6	108	85	108	98	105	112	91
Females discharged,	15	48	_	_				_	84	83	89	105	87	124	85	111	104	81
Males died,	್	,O				_		_		က	∞	C	15	20	18	15	19	53
Females died,	_	ၹ		-					10	G	14	9	C	18	15	15	18	28
Sent in by courts,	109	55							10	157	152	158	167	143	135	166	206	194
Sent in by friends and overseers,	† †	£9	_						53	41	89	28	126	134	105	95	67	47
Sent in by governor's warrant,	1	1	_	-					ı	1	1	1	1	1	ı	ı	- 1	1
Males recovered,	13	600	_						37	44	53	56	64	73	48	67	20	09
	<u> </u>	31	_					_	45	44	633	68	58	85	55	69	68	65
Average number in hospital,	101	117		_					33	238	244	261	316	359	377	404	450	440
						_	_	_	_	_								
						-												

Table No. 16—Concluded.

299 241 271 307 200 215 251 438 244 201 275 376 184 201 204 122 109 97 150 127 89 129 131 53 26 46 75 174 52 35 35 299 79 23 6 41 13 15 8 34 27 35 44 34 30 22 30 81 56 57 64 64 53 583 381 36 57 64 64 59 583 381 36 57 64 67 50 50 583 41 13 126 145 106 105 127 41 13 129 145 165 94 110 124 41 13 13 180 95 <
244 201 275 376 184 201 109 97 150 127 89 129 26 46 75 174 52 35 35 27 35 44 34 30 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20
109 97 150 127 89 129 26 46 75 174 52 35 79 23 6 41 13 15 27 35 44 34 30 22 580 577 647 679 501 532 386 376 372 301 317 331 86 112 126 142 106 105 113 129 145 165 94 110 111 97 132 180 95 102
26 46 75 174 52 35 79 28 6 41 18 15 27 35 44 34 30 22 80 57 647 89 50 52 80 57 647 67 50 53 386 376 372 301 317 331 86 112 126 142 106 105 113 129 145 165 94 110 111 97 132 180 95 102
79 23 6 41 13 15 27 35 44 34 30 22
27 35 44 34 30 22 580 577 647 679 501 532 336 376 372 142 106 105 113 129 145 165 94 110 111 97 132 180 95 102
580 577 647 679 501 532 336 376 372 301 317 331 86 112 126 142 106 105 113 129 145 165 94 110
580 577 647 679 501 532 336 376 372 301 317 331 86 112 126 142 106 105 113 129 145 165 94 110 111 97 132 180 95 102
336 376 372 301 317 331 86 112 126 142 106 105 113 129 145 165 94 110 111 97 132 180 95 102
86 112 126 142 106 105 113 129 145 165 94 110 111 97 132 180 95 102
113 129 145 165 94 110 111 97 132 180 95 102
111 97 132 180 95 102
100 00 000 000 000
155 104 145 190 89 99
13 18 19 18 20 12
14 17 25 16 10 10
160 193 182 151 134 158
36 48 89 67 66 57
3 8
50 46 74 55 43 65
59 51 76 72 46 64
349 357 387 372 309 324

Table No. 17.

Per Cent.

	1833.	1833. [1834.	1835.	1836.	1836. 1837. 1838.		1839. 1840. 1841.	840. 1	SH:	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.	1850.
Per cent. of recovery of recent cases,	1	82	85	84	68	98	06	91	91	91	88	93	891	79	72	98	84	87
Per cent. of recovery of all discharges,	1	54	46	53	57	52	47	53	49	46	59	54	$62\frac{1}{2}$	57	49	55	54	54
Per cent. of recovery of old cases, .	1	50	18	19	25	15	17	61	21	16	53	54	$31\frac{1}{2}$	28	17	19	24	21
Per cent. of admissions of the most prominent causes each year:—																	1	
Ill health,	00	18	21	61	51	58	22	25	53	18	16	15	13	11	17	18	18	2
Religious,	6	9	7	2	9	6	70	4	4	6	13	0	7	10	9	-	21	4
The affections,	14	12	17	16	16	15	25	17	13	15	6	10	14	Н	15	11	10	တ
Property,	7	11	G	9	9	10	9	70	4	23	2	ಕಾ	6	ಬ	က	C1	4	က
Intemperance,	25	54	23	15	10	16	oo .	15	15	∞	9	8	10	10	1-	20	4	က
Masturbation,	7.0	9	2	16	21	9	တ	<u></u>	9	4	က	C)	9	က	C1	C1	4	က
Per cent. of deaths of all in the hospital each year,	2.61	2.61 3.43 3.31		3.26 2.94	.94 4	4.49 5.53 3.83	.53 .93	<u></u>	3.00	2.79	4.80	3.50	4.31	5.96	4.94	4.58	5.45	8.50
Per cent. of deaths of average number of residents each year,	3.70	6.80	3.70 6.80 6.66 6.30 5.50 7.58 9.86 6.55 5.15	3.30	.50 7	.58	.86	. 55 . 57		5.00	9.00	5.74	7.59	7.59 10.55	7.95	7.92	9.00 12.95	12.95

TABLE No. 17—Concluded.

2. 1863. 1864. 1865. 1866. 1867. Totals.	74.4 78 73 63 76 82 6 1 49.2 60.7 55 40 50 52.0 3 21 18 17 10 11 20.8	21 15 12 23 20	2 4.9 4 9 3 2 2 1 9.3	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	12 5.1 8 4 3 10 5. 4	3 6.5 5.2 6.8 6 6.4 4.9	1 7.5 9.0 9.3 10 11 8.0
1861. 1862.	78 89 64 61 30 26		1 7	2 2 15 9.5	5	5.1 5.6	8.1 8.4
1860. 1	92 64 19	25	1 9	4 9.7	4.6	4.6	6.4
1859.	75 48 18	19	- 1	3 11	70	6.0	2.6
1858.	78 34 90	14 . 1	ا تو	1 4	н	5.1	9.1
1857.	76 65	8 8	H 61	1 6	П	6.80	11.00
1856.	7.8 4.8 7.1	19	ස වැ	1 6	٠ ش .	6.00	9.80
1855.	92 45 17	10	4 73	1 6	භ	4.60	7.70
1854.	80 52	σ σ	က တ	C1 4	4	5.58	8.00 8.73 7.88 7.90
1853.	83 46	1	4 0	C1 C1	4	5.00	7.88
1852.	77 42 42 81	6	es es	ස අ	C1	5.81	8.73
1851.	82	<u> </u>	2 11	C1 4	4	5.53	8.00
	Per cent. of recovery of recent cases, Per cent. of recovery of all discharges,	Per cent. of admissions of the most prominent causes each year:— Ill health,	Religious,	Property,	Masturbation,	Per cent. of deaths of all in the hospipital each year,	Per cent. of deaths of average number of residents each year,

TABULAR VIEW

Of the Condition of the Patients in the Hospital, from October 1, 1866, to September 30, 1867, inclusive.

Homicidal.	y.						Periodieal.			do	do Sui. and do		Homicidal.
Suicidal. Hereditary.	Hereditar	оp	qo				op			qo qo	s op	qo	
In what state.	Not improved Hereditary.	do	Improved	op	Not improved	do	Improved Not improved	Improved	Not improved do	Improved Not improved	do Improved	Not improved	do Improved
Discharged or Remaining.	Remains	qo	do	op	op	do	qo qo	op		ф до	do	op	do Discharged
Time spent in Hospitni.	4 mths	9 inths	6 mths	5 mths	5 mths	7 mths	9 mths		9 mths 1 mth	1 mth 11 mths	5 mths 4 mths	5 mths	2 mths 12 dys
Time	30 yrs	28 yrs	28 yrs	27 yrs	27 yrs	25 yrs	24 yrs 23 yrs	23 yrs	22 yrs	22 yrs 21 yrs	21 yrs 21 yrs	20 yrs	19 yrs 18 yrs
By whom committed.	6 months Private Bond 30 yrs 4 mths Remains	Probate Court 28 yrs	The Overseers 28 yrs	Probate Court 27 yrs	2 months Private Bond 27 yrs	Probate Court 25 yrs	do do	op	Private gond		do do	do	do do Probate Court 18 yrs 12 dys Discharged Improved
Puration before admission.	6 months	3 do	op 5	6 years	2 months	I year	6 years 7 do	op g		2½ years 5 do	l week 6 months	op 5	5 years 1 do
Supposed Cause.	Love affair,	Unknown,	Ill health,	ob	ор	Unknown,	Masturbation, do	Unknown,		Masturbation, do	Disappointment, Unknown,	Domestic affliction, .	Ill health, do
Civil		do Unk	do IIII h	op	Married	Single Unk	do Mas			do Mas'	do Disa Married Unk	do Dom	Single III h
Sex.	Female Single	Male	Ferr ale	p	d b	Male S	do do	Female Married	Male S	Female Male	do do	Female	do do
Age when admit- ted.	27	To To	30	97	31	28	જ્ઞજ્ઞ	36	28		26 48	44 1	37
No. Admiss'n, admit-	582 May 26 1838	876 Dec. 28	S95 March 1	1092 April 21	1252 April 29	1409 Feb. 28	1583 Jan. 14 1772 Nov. 16	1981 Oct. 2	2047 Jan. 8	2229 Sept. 8 2280 Nov. 3	2412 April 18 2419 May 11 1847	2645 April 16	2981 July 11 3085 Dec. 1

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Time spent in Hospital.	18 yrs 4 mths 17 yrs 11 mths	17 yrs 8 mths 17 yrs 6 mths 16 yrs 9 mths 16 yrs 9 mths	14 yrs 1 mth 14 yrs 13 yrs 11 mths	13 yrs 8 mtlis 13 yrs 1 mth 13 yrs 1 mth 12 yrs 10 mths 12 yrs 10 mths	12 yrs 5 mths 12 yrs 4 mths 12 yrs 2 mths 11 yrs 9 mths	11 yrs 4 mths Died 10 ys 9 m 22 ds do 11 yrs 1 mth Rem 11 yrs 9 mths Column 10 yrs 9 mths Column 10 yrs 9 mths Column Column 10 yrs 9 mths Column Colum	9 yr 5 m 18 ds Discharged 10 yrs Remains 10 yrs do 9 yrs 11 mths do
By whom committed.	4 months Probate Court 1 years Private Bond 1	6 months Probate Court 1 5 years 40 The Overseers 1 20 do Private Bond 1	The Overseers 1 do 1 Probate Court 1	The Overseers 1 Munic'l Court 1 The Overseers 1 do do 1	00000000000000000000000000000000000000	Police Court Probate Court do The Overseers Probate Court	$ \begin{array}{c} \text{do} \\ \text{do} \\ \text{10 yrs} \\ \text{The Overseers} \\ \text{Probate Court} \\ \text{9 yrs} \\ \text{11 mths} \\ \end{array} $
Duration before admission.	4 months 7 years	6 months 5 years 2 do 20 do	7 do 1 week 3 years	15 do 111 do 30 do 5 do 6 do	3 do 5 do 5 do 4 weeks	Unknown 30 years 18 months 2 years 3 do	2 weeks 2 months 11 years 21 do
Supposed Cause.	Unknown,	Disappointed affection, Ill health, Unknown,	Puerperal, do do do Over-exertion,	Unknown,	Spiritualism, odo do III health, Puerperal, o	Unknown Unknown,	Domestic trouble, Unknown, Masturbation, Unknown,
Civil condition.	Single	Male Single Female Married Male Single Female do	Married do do	Widower do Single do do	Married do Single Married		Married Single do do
Sex.	Male Female	Male Female Male Female	do do	Male do do do do	do do Female do	do Male Male Female Ma e	do Married Female Single Male do do do
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yrs 6 mths Remains yrs 5 mths yrs 5 mths yrs 6 mths yrs 4 mths yrs 4 mths yrs 8 m 2 ds Discharg yrs 1 mth Remains yrs 1 mth Remains	yrs 1 mth Rem yrs 1 mth C yrs 1 mth C yrs 1 mth C yrs 1 mth C yrs 2 mth C yr 2 m H ds Disch yr 2 m H ds Disch	yrs 7 mths yrs 5 mths yrs 4 mths yrs 4 mths yrs 4 mths yrs 4 mths yrs 12 da yrs 11 mth yrs 10 mths yrs 10 mths	yrs 8 mths yrs 8 mths yrs 2 m 24 ds yrs 7 mths yrs 6 mths yrs 6 mths yrs 4 mths yrs 4 mths yrs 4 mths yrs 2 mths
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Turn of life, Religious excitement, do Turn of life, Masturbation, Ill health, Old age, Unknown,	on,	Unfortunate marriage, Epilepsy, III health, Unknown, Masturbation, Domestic alliction, Epilepsy,	Loss of property, Religious excitement, Unknown, Injury by falling, Measles, Unknown, Ill health, Masturbation,
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By whom committed.	8 months The Overseers 6 years Probate Court 7 1 year The Overseers 4 days Private Bond 2 months Probate Court 6	Police Court Probate Court Private Bond Probate Court The Overseers Probate Court Probate Court Probate Court Probate Court Probate Court Probate Court	Probate Court G do do do B Fivate Bond E Private Bond E Private Court E Probate Court E Prob	10 do do do do fo do do fo do
Duration before admission.	18 months 6 years 1 year 4 days 3 years 2 months	3 years 1 week 6 months 1 year 1 do 3 years 12 do 18 do 18 do	3 do 12 do 1 year 2 months 14 years 7 do 4 do	10 do 1 do 5 do 5 do 5 weeks 10 years 3 do 1 do from birth
Supposed Cause,	Epilepsy,	Epilepsy, Unknown, Epilepsy, Spirtualism, Epilepsy, Unknown, do	Domestic affliction, Dishnown, Disappointed ambition Unknown, do do do do do	Epilepsy, Unknown, do do Epilepsy, Ill health, Epilepsy, Unknown, do Epilepsy,
Civil condition.	Single do do do do	do do do do do Married Single	Widow Single do do Married do do	do do do do do do do Single
Sex.	Male Female Male do Female	Male do do Go do do Male Female	do do do Male Female	Male Female Male do Go Female Male do Female
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Time of Admiss'n.	1860 Aug. 30 Sept. 22 Oct. 5 Nov. 6 do 15 do 23	1861 6501 Mar. 19 6310 April 8 6325 May 4 6325 May 31 6354 June 4 6382 July 4 6382 July 4 6423 Aug. 23		Jan. 8 Feb. 6 Mar. 21 do 26 do 26 do 26 do 26 do 22 June 2
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ale Married Single Married do Single do do do Murried Single	Male do Married Male Male Married Male Married Married Married Male Married Male Married Go do Married Male Male Go do	Single do do do do do do Married do
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Homicidal. Periodical.	Homicidal.	Periodical. do Periodical.
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By whom committed.	2 years 2 months Probate Court 2 years 3 weeks 4 months Probate Court 3 years 4 months Probate Court 4 month Probate Court 6 do 6 do 7 do 7 do 7 private Bond 8 do 7 do 7 private Bond 9 private Bond 9 do 7 private Bond 9 private Bond	0 years Private Bond 7 months Probate Court 5 years Private Bond 6 months Probate Court 7 years 1 week 1 do 6
Duration before admission.	5 years 2 months 2 years 6 months 30 years 8 months 10 years 11 do 17 do 17 do 17 do 18 do 19 do 19 do 1	10 years F 7 months F 15 years F 5 months F 7 years 1 week 1 do
Supposed Cause.	Unknown, Old age, Unknown, Ill health, Fright, Ill health, Spiritualism, Unknown, Go	Epilepsy, In health, In health, Ill health, Ill health, Ill health, Ill health, Ill health, Ill health,
Civil condition.	Female Married	Ma Wi
Sex.	Female Male Male Female Male Male Male Male Go Go Go Go Go Go Male Male Male Male Male Male Male Male	do do do do do
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Time of Admiss'n.	Dec. 21 Dec. 21 Jan. 8 Jan. 8 Mar. 8 Mar. 6 May 6 Dune 22 do 22 do 11 do 12 do 22 do 24 do 24 do 24 do 28 do 21 do 11 do 11 do 22 do 11 do 24 do 11 do 24 do 11 do 28 do 11 do 11 do 28 do 11 do 11 do 11 do 28 do 11 do 11 do 11 do 28 do 11 do 28 do 11 do 11 do 11 do 28 do 11 do 11 do 28 do 11 do 11 do 28 do 11 do 11 do 28 do 28 do 11 do 28 do 28 do 11 do 28 do 28 do 28 do 18 do 28 do	3 do 29 do 12 do 29 do 29 do 29 do 29 Sept. 1
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	Suicidal. Hereditary.	•	Hercditary.	Hereditary.
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Turn of life, Unknown, Intemperance, Unknown, do Unknown, Unknown, Ill health, Ill health, Intemperance,	Injury of head, Ill health, do Unknown, Epilepsy,	Ill health, Masturbation, Epilepsy, Unknown,	Unknown, Epilepsy, Intemperance, Puerperal, Unknown, Masturbation, Intemperance, Ill health,	do
Female Married Male Single Male Single Male Single do do do do do do do do Male Single Female Married Married Married Male Single Female Mo Male Single Female Widow	do Single do Hemale do do do do Married	0 0 0	Nate at the Maried At the Male At	do Single Female Married do Single do Widow Male Married
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By whom committed.	1 month Probate Court 6 years 6 do 6
Duration before admission.	1 month 15 years 6 do 6 do 6 do 3 do 15 months 11 week 6 months 1 week 6 months 1 week 6 months 1 week 6 months 2 years 6 months 2 years 6 months 8 months 8 months 8 months 8 months 8 months 9 do 9 do 8 months 6 do 8 months 8 do 9 do 8 months 9 do 9 do 8 months 6 do 8 months 9 do 9 do 8 months 6 do
Supposed Cause.	Epilepsy, Intemperance, III health, Ispilepsy, Domestic trouble, Unknown, Paralysis, Masturbation, III health, do do Go Tear of poverty, Masturbation, III health, In
Civil condition.	Male Single do Maried Pemale Single Female Maried do Single do Single do Single do Single do Maried Male Maried Male Maried do Single Male Maried do Single Male Maried do Single do Maried Female Single do Maried Maried Female Single do Maried Maried Female Single do Maried Female Single Male Maried Female Fem
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Brain fever,	Masturbation, Epilepsy, Ill health, Masturbation, Unknown, Congenital, Sun stroke, Paralysis, Ill health, Masturbation, Intemperance, Congenital,	Intemperance, Unknown, do Ill health, Pecuniary trouble, Wound of head, Hard study, Old age, Masturbation, Turn of life, Masturbation, Unknown,
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Homicidal Periodical.	Periodical,	Homicidal.				:	Periodical,
Suicidal. Hereditary.	Hereditary. do do	op	op	qo	qo	do	Suicidal,
In what state.	Not improved! Recovered Improved Recovered Not improved	do Improved Recovered do	do Improved Not improved Improved	op op,	do do Recovered Improved	Not improved Improved Not improved Improved Recovered	do do do do Not improved Improved Recovered
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Time spent in Hospital.	1 yr 4 mths 56 dys 1 yr 4 mths 26 dys 1 yr 4 mths 6 mth 21 dys 1 yr 4 mths 1 dys 1 d	1 yr 4 mths do 1 yr 4 mths do 1 yr 4 mths do 4 mths 14 dys Discharged 4 mths 16 dys do	4 mths 15 dys 1 yr 4 mths R 1 yr 3 mths 1 yr 3 mths	l yr 3 mths 1 yr 3 mths 1 yr 3 mths	lyr 3 mths 1 mths 5 dys 1 y 2 m 4 dys	1 yr 3 mths Remains 6 mths 20 dys Discharged 1 yr 3 mths Remains 0 mths 6 dys Discharged 6 mths 28 dys do	1 y 2 m 19 ds 1 yr 3 mths Remains Improved 4 mths 6 dys Discharged do 5 mths 12 dys do 6 mths 11 dys do 6 mths 11 dys do 1 yr 3 mths Remains Not improved 11 mths 26 dys Discharged Improved 5 mths 26 dys do
By whom committed.	Probate Court do do do Private Bond	do do	do The Overseers Probate Court do	Sup. Court The Overseers Probate Court	do Private Bond 1 Probațe Court	do do do do The Overseers	
Duration before admission.	3 days 1 year 20 years 3 months	5 years 6 do 2 weeks 6 vears	9 months 5 years 3 weeks 8 months	3 do 16 years 1 year	27 years 1 year 1 week	7 months 3 years 3 weeks 4 months 6 weeks	4 years 1 month 1 do 2 weeks 5 years 7 do 1 week
Supposed Cause.	Unknown, Sun stroke, Ill health, do	Epilepsy,	Domestic trouble, Death of husband, Unknown, Intemperance,	Ill health, Congenital, Ill health.	do do Unknown,	Wound of head, Paralysis, Unknown, I'll health, Puerperal,	- AHHHHH
Civil condition.	N Sign	ale Single do do lale Widow	do Widow Single Married	do do do do do	do Married do	Single do Married Single Married Single	18
Sex.	Fer Fer d	Male Female Male Female	Female do Male do	do Female Male	Female Male do	do do do Female	Male Female do Male Female Male do
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emale Single do	Married Single Widow Single Married Single do do		Single Widow Single do
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By whom committed.	Probate Court do do do do Private Bond do d	1 month Probate Court
Duration before admission.	2 months 2 months 19 years 8 months 19 months 10 months 2 weeks 3 months 10 month 10 month 10 month 11 month 12 years 13 years 14 month 15 weeks 16 month 16 month 17 month 18 years 18 years 19 weeks 10 month 10	I month
Supposed Cause.	Ill health, Puerperal, Unknown, On hon Au Turn of life, Ill hand work, Ill health, Intemperance, Garalysis, Intemperance, Unknown, Au Ill health, Onknown,	Injury to head, .
ClvII condition.	1 25	Single
Sex.	Female do	Male
Age when admit-	8278178188488488888888888888888888888888	
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	4-1-1	1 do 5 weeks	3 weeks 2 months	1 week Unknown	2 weeks	20 years	12 years	15 months 1 week	3 months	1 month	1 do do	8 years	2 weeks
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Epilepsy, Loss of sleep, Loss of sleep, Masturbation, Intemperance, do fpilepsy, Ill health,	000 000 000 000	Unknown,	Paralysis, 3 Unknown, 2	Masturbation,	Change of business,	Unknown, 20	Masturbation	Intemperance,	Intemperance,	III health, 1	Domestic trouble, . 1 Epilepsy, 1	Injury of head, 2	d Ill health, do
Epilepsy, Loss of sleep, Intemperance, Masturbation, Intemperance, Gpilepsy, Ill health,	000 000 000 000		Paralysis, 3 Unknown, 2	Masturbation,	Change of business,	Unknown, 20	Masturbation	Intemperance,	Intemperance,	III health, 1	Domestic trouble, . 1 Epilepsy, 1	Injury of head, 2	d Ill health, do
30 Male Single Epilepsy,	36 do do do do do do 1 33 Male do	17 Female do Unknown,	36 Male Widower Paralysis, 3 18 Female Single Unknown,	23 Male Single Masturbation, 61 Female Married III health	61 Male do Change of business,	66 Female Widow Unknown, 20 57 do Married Turn of life, II	30 do Single Masturbation	55 Female Married Intemperance, 46 Male do Ill health,	45 Female do Intemperance,	40 do Married III health,	Female do Domestic trouble, 1 25 Male do Epilepsy, 1	21 do do Injury of head,	44 do Married Ill health,
Male Single Epilepsy, do Married Loss of sleep, do do Intemperance, do do Masturbution, do do Intemperance, do do Female Widow Epilepsy, do Single III health,	2 1 36 do do do do 4 6 do do 1 8 8 Male do do do do do do do do do 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 17 Female do Unknown, 1 8 20 do	9 36 Male Widower Paralysis, 3 10 18 Female Single Unknown, 2 10 46 Myrical Unknown,	14 23 Male Single Masturbation,	18 61 Male do Change of business,	21 66 Female Widow Unknown,	22 30 do Single Masturbation	23 35 Female Married Intemperance,	26 45 Female do Intemperance,	30 40 do Married III health, 1	1 35 Female do Domestic trouble, 1 5 Male do Epilepsy, 1	6 21 do do injury of head, 2 76 Female Widow Unknown, 2	9 44 do Married III health,

Homicidal, Periodical.	Periodical,	do do do	op	Homicidal.
Suicidal. Hereditary.	Suicidal. Hereditary. Suicidal. do	Hereditary.	Suicidal. Hereditary.	Suicidal. do Hereditary.
In what state.	Old Age Recovered Improved Improved do do do do do do do do do do do do do	Recovered Palsy Improved Exhaustion	Improved do Not improved Suicidal do Heredita	Recovered Suicidal. Improved Govered Go Bexhaustion Not improved Hereditary.
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Time spent in Hospital.	1 week 4 mths B dys 9 mths 9 of dys 9 mths 9 mth	3 mths 25 dys 9 dys 9 mths 6 dys 5 mths 3 dys 3	9 mths Remains 9 mths 4 do 3 mths 26 dys Discharged 8 mths 27 dys Remains 8 mths 26 dys 10 do	2 mths 20 dys Discharged Inproved 3 mths 22 dys do Mecovered 5 mths 23 dys do Mecovered 1 mth 22 dys do 27 dys Died Exhaustin 8 mths 8 dys Remains Not improved 1 mth 22 dys do do do do do do do d
By whom committed.	5 months Probate Court 1 week 6 months Private Bond 6 months Probate Court 2 years 6 months do 6 months 1 week 2 years 1 week 2 years 2 years 1 do 1 do 2 weeks 3 do 1 The Overseers 3 weeks	do do do Private Bond	Sup. C Probat The O Probat	2000000
Duration before admission.	5 months 1 week 6 months 6 months 14 years 1 week 1 do 1 do 2 weeks 2 weeks 2 years 1, do 3 do 3 do 3 do 3 weeks	18 months 1 week 3 weeks 1 month	ths	2 years 9 months 7 years 2 months Unknown 1 month
Supposed Causc.	old age, Unknown, do do III health, Unknown, do All Masturbation, Unknown, Paralysis, Paralysis, Paralysis, Chirnown,	Epilepsy, Ill health,	Masturbation, do do Domestic affiction, Ill health	Masturbation, Unknown, Unknown, Ill health, Unknown, Turn of life, Masturbation,
Civil condition.	Married Go Single Go Widow Married Single do Married Single Married Single Married Single Married	Single Married do	Single Married Single Married do	Female Married Female Married Go do Male Single Female Widow
Sex.	Male do Go do	Male do do Female	Male Female Male Female do	Female Male Female do Male Female Male
Age when admit- ted.	868888888888888888888888888888888888888			22 45 46 48 46 46 46 46 46 46 47 47 48 48 48 48 48 48 48 48 48 48 48 48 48
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Ill health, Masturbation, Fever, Disease of brain, Therpean,	do do	Epilepsy,	Masturbation, . Paralysis, .	Gestation,	op	Intemperance, .	do do	Masturbation, .	Ill health,	do	Unknown,	do	do do	Ill health,	op op		Unknown,	Domestic affliction.	Paralysis,	Ill health,	Unknown, do	op
Single do do Married e do Single	do	do	Married	e Married Single	op -	Married		qo	Married	e do	op	ор Р	op G	Widower	Married	Single	Married	Widow	Married		Single	Widow
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Suicidal. Hereditary.	Suicidal. Hereditary. do	do	Hereditary. Suicidal.	Periodical do Hereditary and Suicidal. do do Hereditary and Periodi'l.
In what state.	Improved Not improved Improved Geovered Improved do do Geovered do do do do	Improved do do Not improved Recovered Paralysis	d oved	ved
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Time spent in Hospital.	6 mths 5 dys Discharge 6 mths 26 dys Remains 1 mth 13 dys Discharge 2 mths 20 dys do do finths 23 dys do finths 19 dys Remains 1 mth 26 dys Discharge 2 mths 13 dys Discharge 2 mths 13 dys Discharge 8 mths 2 dys do	2 mths 23 dys do 4 mths 22 dys do 6 mths 5 dys Remains 6 mths 5 dys Remains 1 mth 20 dys Discharg		o mins 28 dys bischarged decovered a mths 13 dys do for mths 13 dys do for mths 22 dys Remains of mths 22 dys Remains do for mths 22 dys do for mths 21 dys do for mths 21 dys do for mths 21 dys do for mths 22 dys Discharged Recovered 1 mth 25 dys Discharged Recovered
By whom committed.	1 year Probate Court 8 months 40 do 10 week 10	do The Overseers Probate Court The Overseers Probate Court do	්ද ල ල ල ල ල ම ල ල ල ල ල	by Pears do
Duration before admission.	1 year 18 months 1 week 20 years 3 months 1 week 2 years 2 do 2 do 2 week 2 do 2 week 1 year	6 weeks 6 do 2 do 5 years 2 weeks	9 months 11 years 3 do 2 do 10 months 2 years	10 months 5 years 4 do 12 do 25 do 29 do 20 do 20 do 2 days 1 month
Supposed Cause.	Intemperance, Paralysis, Ill health, Turn of life, Ill health, Epilepsy, Unknown, Ill health, Ill health,	Ili health, Intemperance, Ill health, Onknown,	Intemperance, Masturbation, Intemperance, Donestic trouble, Ill health,	Masturbation, Domestic trouble, do Turn of life, Puerperal, Epilepsy, Religious excitement, Ill health, Old age,
Civil condition.	Married do Single Married Single Single do do do Single Single Single Single Single Single Single Single	do do Married do Single Married	Female Widow Male Single do Go Female Married do Widow Male Single	do Married Single Married Widow Married do do Married Widow
Sex.	Male do do do do Male Female Male do	Female Male do Female do Male	Female Male do Female do Male	do do Hemale do Male Female do do do
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Recovered Improved Exhaustion	Improved Not improved Improved do	Not improved Improved Not improved Improved Dis of beart	Improved Not improved Suicidal Improved do	do Improved do	Improved Recovered Improved do	do Suicidal. Not improved Hereditary. Improved	do Recovered Not improved do Improved	Recovered Exhaustion Recovered Improved do
Discharged Remains Died	do do do do	Remains Discharged Remains Discharged Discharged	Remains do Discharged	do do do Discharged	do do Remains do	Discharged Remains do		3 dys do Recovered 5 dys Died Exhaustio Discharged Recovered 4 dys Remains Improved do do
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Rheumatism, Masturbation, III health,	Unknown,	Turn of life Domestic affliction, do	Domestic trouble, Intemperance,	Masturbation, Domestic affliction, Intemperance,	do do Tintemperance,	Seduction, Old age, Turn of life,	Turn of life, Intemperance, Unknown Old age, Ill health,	Masturbation, Fever, Intemperance, Turn of life, Ill health,
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In what state.	Recovered Not improved Improved	Recovered do Improved Not improved	do Recovered Improved do	do do Discharged do Remains do	Recovered do do Improved	Recovered do Improved do Recovered Notimproved	Exhaustion Improved do Not improved Improved Recovered
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Time spent in Hospital.	19 dys Discharged 4 mths 2 mths 19 dys Discharged 3 mths 19 dys Discharged	2 mths 4 dys 3 mths 26 dys Remains 3 mths 26 dys Remains 3 mths 25 dys	3 mths 25 dys I mth 17 dys Discharged Recovered 3 mths 20 dys Remains Improved 3 mths 20 dys do do	3 mths 19 dys 2 mths 2 dys Discharged 3 mths 18 dys Remains 3 mths	1 mth 7 dys 3 mths 19 dys 2 mths 24 dys 1 mth 14 dys 3 mths 7 dys I	26 dys 1 mth 3 mths 5 dys 3 mths 2 dys 2 mths 2 dys 3 mths 2 dys	2 mths 16 dys Died 1 mth 5 dys Discl 1 mth 20 dys 6 3 mths Rem 1 mth 8 dys Discl
By whom committed.	Probate Court do Private Bond	Probate Court do do Private Bond	The Overseers Probate Court do	The Overseers Probate Court The Overseers Probate Court	Private Bond Probate Court do do do	do do do Private Bond Probate Court	000000000000000000000000000000000000000
Duration before admission.	10 days 1 week 2 years 6 months	2 weeks 1 do 2 months 9 do	10 years 2 do 1 month	5 years 8 do 1 week 2 years	1 month 3 weeks 1 week 5 weeks 6 months	1 year 4 years 4 do 2 months 6 years 1 year	1 month 3 years 7 do 11 year 11 years 11 do 11 d
Supposed Cause.	Domestic trouble, Puerperal, Turn of life, Spinal disease.	Unknown, Intemperance, Unknown,	do III health, Intemperance, III health,	Masturbation, Epilepsy,	Old age, Unknown, do Death of child, Epilepsy,	Hard work, Turn of life, Ill health, Masturbation, Turn of life,	III health, Masturbation, Domestic trouble, III health, Masturbation,
Civil eondition.	Married do do Single	Married Single Married do	ale Single do Married ale do	Single do Widower	Widower Married do do do Single	do do Widow Single Married Widow	Married Single Married do Single
Sex.	Male Female do	Male do do do	Female Male do Female	do do Male do	do do do Female Male	Female do do Male Female do	rle
Age when admit- ted.	825 74 74 85	84 48 70 70				30 46 52 55 81	283 285 56 10 10
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With feelings of gratitude we are able to report that there has been no attack of epidemic disease in the hospital during the year, and there has been also almost entire absence of acute disease of any form.

The hospital was opened for the reception of patients on the 18th of January, 1833, since which time seven thousand nine hundred and two insane persons have received the benefit of its care and custody. Of this number, three thousand seven hundred and fifteen have been discharged recovered, and restored to their families and friends. One thousand five hundred and twenty have been discharged improved; one thousand three hundred and fifty-four have been removed by their friends or guardians, or were transferred to other institutions without material change, and nine hundred and sixty-one have died.

It is my duty to complain of the manner of commitment in many instances of patients to the hospital. Some officers and guardians undertake to mislead and deceive the patients when intrusted with the duty and responsibility of commitment, by promises of journeys, or visits to places of entertainment, or by making the patient believe the hospital a hotel, and on entering by giving such orders as are usual at such places. The officers of the hospital have never been guilty of promoting any such practice, but have, on all occasions, said and done what they could to correct the evil.

Feelings of kindness undoubtedly prompt many individuals to adopt some plan of deception when about to place their insane relations in a public hospital; but such plans are always destructive to the welfare of the patient and the interests of the institution. They tend to invest the disease with horror and disgust. They multiply and strengthen the delusions of the patient with regard to the hospital, and by a certain reaction, they diminish the public confidence in the care and treatment of the insane. It is acknowledged by all who have had much to do with persons suffering from mental disease, that next to kindness, perfect candor is most likely to calm the excited passions, and reassure the disturbed confidence of the deranged mind.

A large majority of patients, if candidly told they were about to be removed from home and placed in a hospital, would cheerfully acquiesce in the arrangement; and if persuasion should fail to remove them quietly, it would be infinitely better that necessary force should be used by friends and relatives, than that deception should be resorted to, and thus destroy the confidence of the patient, and force upon his diseased mind the conviction that the officers of the hospital were concerned in a plot to deprive him of his liberty.

Having personally observed the conduct of nearly five thousand patients on their admission to the hospital, I do not hesitate to declare the extreme rarity of any exhibition of violence or anger caused by their commitment, in an open and legal manner, to the care and custody of a public institution. On the contrary, many who had been very troublesome, violent and dangerous, become immediately quiet and comparatively calm when they are placed in the wards of the hospital, and commence at once to exercise all the powers of self-control they possess.

It is only when fraud and deception has been resorted to, that the patient becomes suspicious, restless, turbulent and violent. When honestly and openly committed, and on their admission treated with candor and kindness, they recognize the fact that they are among friends whose care it is to soothe and protect them.

Mistakes like these must be borne until the community shall be made to regard insanity as a disease, and not a vice; until they shall be able to look upon those suffering from mental disease as they look upon other sick people afflicted with a malady no more horrible, and as curable in its early stages, as any other; and until they can be made to believe that when cured they are fully and completely restored, and as deserving of confidence and trust as they ever were.

Seclusion has been resorted to during short intervals, generally for a few hours only at a time, quite frequently; its employment being confined to a very few individuals in the excitable wards, whose violent and destructive propensities during their paroxysmal attacks, render it necessary that at such periods they should be separated from their companions.

The ordinary sleeping-rooms of the ward are always used for this purpose. Rarely has any one been placed under so called physical restraint. One patient has been in seclusion a small portion of every day, and when not in seclusion wears loosely fitting leather bands upon her wrists, so loosely however that she is able to sew and knit with ease and comfort while thus confined. The destructive tendencies of this patient have been for a long period of time quite extraordinary; when placed by the side of other patients, her efforts to assault, worry and to tease are incessant. When alone her excess of vitality is generally expended upon her clothing and furniture. All the usual devices for safety and protection have been thus far quite useless.

Another female patient has been permitted to remain in her room a large part of the time for about two-thirds of the year. When thus secluded she is generally quiet, comfortable and happy; but when with others she is always abusive and violent; she cannot even suffer the ordinary change of cleansing her room and making her toilette in the morning without an exhibition of the most violent temper and vulgar abuse.

One male patient, who has in other institutions made several homicidal attacks, wears on his wrists leather bands so loosely fitted that he assists readily and easily in sweeping and scrubbing.

And one other male patient has during a small portion of the year been kept constantly in his room on account of long continued violent maniacal excitement, from which he is now happily recovering.

The absolute amount of seclusion and restraint will be better understood by you when I state what the official records will prove, namely, that the whole time spent in seclusion and restraint directed or permitted by the management of the hospital bears the proportion of only twenty-eight one thousandths of one per cent. to the whole time passed by the average number of patients in the hospital during the year.

This state of things ought certainly, to be highly satisfactory to you when it is remembered that patients are often brought to the hospital in irons and strait jackets; and when it is no uncommon thing that from notions of prudence and safety the patient is accompanied to the hospital by two or three stalwart men, who not unfrequently relate with evident satisfaction the story of their skill in betraying the confidence of the poor

insane person until he is fairly within the walls of the institution.

Early admission to a hospital cannot be too strongly or too frequently urged upon the friends of the insane. Almost every hospital report most earnestly recommends the removal of the patient to an institution during the first stages of mental disease. So common has this become that no new argument can be presented on the subject. It is true, as all statistics show, that a very large proportion of cases recover if treated in the commencement of the disease, but if left without treatment for the space of a year or more there is little if any hope of recovery or improvement even.

Some few do certainly recover, but they are exceptional cases, occurring under the most favorable circumstances. Our own records show how few recoveries may be expected from this class of patients.

When we consider that these patients with such slight prospect of restoration must remain during the remainder of their lives; objects of constant care to their friends and the community, and the subjects of the deepest mental misery and distress; and of a misfortune so great that it separates them from all their former social ties, pleasures and responsibilities, fills their minds with terror, gloom, suspicion and delusion; and which more or less completely destroys all the mental faculties and renders them helpless, hopeless and idiotic; surely every consideration of humanity should impress upon us the necessity and responsibility of an early attention to the first symptoms of insanity; and every one in any way connected with such a case should lose no time in placing the sufferer under special treatment and thus facilitate the removal of this terrible malady. When the disease is for a time unattended or unchecked and receives no proper treatment, it generally assumes a graver character and the sufferer either becomes hopelessly demented or the subject of wild and unnatural ideas which render him a pest and a danger to society. He may be neglected until he fires a dwelling or commits a homicide and is tried by the laws of the land as a criminal for acts which are but the manifestations of mental disease.

It is true that a large number of the cases are of a milder type, and pass quietly through the stage of chronic insanity to that of dementia. But the care of these cases of chronic insanity is attended with long-continued expense, and at best only affords slight relief, when, if earlier placed under treatment, a small expense for a short period would, in a large proportion of cases, end in the restoration of the afflicted patient to sound mental health.

In close connection with this subject, that of premature removals deserves your attention. There can be no doubt that the results of treatment tabulated in this Report, would have been materially different, had not many patients been removed before sufficient time had elapsed to afford any plan of treatment a fair trial. Some who did not recover would undoubtedly have been restored if they had been suffered to remain, and persevere in the use of remedies after they had been placed in the hospital, while others who were reported improved, were so fortunate as to continue improving after their return to their homes, until perfect recovery had taken place. A few others, reported not improved, would have received benefit if their friends had understood the chronic character of their cases, and the importance of a steady persistence in the use of remedial measures.

Little, if anything, need be said on the treatment of insanity, beyond a brief statement of the plan followed in this hospital. In all institutions established for the treatment of mental disease, the various measures suggested as likely to promote recovery, are usually divided and considered under two separate heads.

The medical treatment of insanity includes the use of such remedies as will act upon the body in such a manner as to assist in the removal of the derangement of such functions as are believed to be the cause of the disease of the mind.

The moral treatment of insanity comprehends all the means and agencies which are supposed to exert immediately on the mind *such* an influence as will *tend* to restore its healthy and natural operations.

In order to fulfil the indications of the medical treatment of the insane, all known remedies are faithfully prescribed and administered, consistent with the pathological conditions of the patient.

Mental health has a much closer relation to physical infirmity than we are willing to admit; and the extent to which human happiness depends upon the integrity of the physical organs, and the perfection of their functions, cannot be estimated.

Some unhealthy condition of the nervous system, without producing any well-marked bodily symptoms, may so control all the operations of the mind, as to diminish every capacity for enjoyment, paralyze every susceptibility for pleasure, and completely overwhelm the sufferer with fear, suspicion and gloom.

The mind and the body, of a necessity, participate in the health and disease of each other; and the particular condition of the one may, to a certain extent, be determined by that of Thus indigestion may be the cause or the result of an irritable, unhappy disposition of mind; and ascerbity of temper may be the occasion or consequence of an acid state of the stomach.

The relation in which complaints of the alimentary canal stand to disease of the brain and nervous system, is not always clear; in some it is the relation of cause; in others it may be that of effect. But even then there is a reaction of the secondary upon the primary complaint, and the first is aggravated by the complication.

Among the many physical conditions of mental disease, perhaps no one requires more frequent attention, or is oftener overlooked, than that disordered state of the stomach and bowels, which so often gives rise to constipation; sometimes alternating with diarrhoea, and accompanied with indigestion, flatulence and eructations, anorexia and nausea, transient pains in the hypochondria, livid and yellow suffusions of the skin, viscid secretions of the mouth, and offensive breath; -that condition of the alimentary canal which, by sympathy, influences the brain, and gives rise to that general uneasiness and dissatisfaction which troubles so many persons so often; that state of the mind in which nothing in the affairs of life gives pleasure or hope; that quality of the affections which rejects all the attentions of friendship, all the kind offices of love, and produces also that depressing effect which diminishes the strength of the memory, blunts the imagination, and destroys the power of concentration.

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No class of patients suffer more seriously, and in the treatment of mental disease none are more likely to be neglected, than those who are afflicted with this general disorder of the digestive organs.

The deranged state of the thinking faculties, the sense of weariness and oppression, at first slight and irregular, and hardly noticed, becomes daily more severe and oppressive, until the power of self-control is lost, and by the influence of disease, or it may be by accident, some one sensation or emotion becomes exalted, and the judgment impaired; a general and constant irritability of mind succeeds, which disturbs and deranges all the mental operations.

Constitutional vigor is generally much impaired among the insane; hence the necessity of the sustaining influence of food, in quantity and quality, generous and nutritious; not only is a liberal supply of animal food requisite, but stimulating drinks must sometimes form a part of the ordinary diet. The appetite, rendered feeble and capricious by weakness, must be recovered by food that imparts strength. When solid food is refused or rejected, milk, cream, broths, soups, and beef-tea may all be brought into use. Much may be accomplished by making everything about the dining-rooms and tables as attractive as possible, by disposing of the viands in such a manner as to provoke an appetite, by engaging in lively conversation, and by spending as much time at the table as can be spared from other duties; remembering at all times that the powers of life must be supported mainly through the stomach, and that by the administration of a liberal supply of nutritions food.

In the treatment of mental disease, next in importance to nutritious food, is an abundant supply of fresh, pure, moderately warmed air. Great care should be taken that the air is not over-heated or scorched. The insane are rarely satisfied in an atmosphere of a temperature below seventy degrees Fahrenheit, unless they are accustomed to much out-door exercise; and even then fault will be found when the thermometer indicates a temperature of sixty-five degrees.

Exercise is of the greatest importance among the means of restoring both the physical and mental health of lunatics in all curable cases. Walking or riding in the open air, during as

great a portion of the day as the strength of the patient will permit, is often of great service. Long walks in the fields and woods, in company with a suitable attendant, have, in many instances, been the principal means in the restoration to soundness of mind and health of the insane. It is necessary that the attendant or guardian be intelligent, cheerful, and of a kind and forbearing disposition, otherwise he is worse than useless.

All establishments for the insane ought to be provided with the means of affording regular and systematic labor, chiefly in in the open air, to as many of the patients as can be induced to undertake it. Gardening, and the various agricultural works, should, as much as is possible, employ their time at regular and stated periods of the day, and by a system of judicious management, many of the inmates, even cases of dementia, may be brought into the habit of devoting themselves to useful occupation.

The insane suffer much from feebleness of circulation, and consequent coldness of extremities. It is desirable, therefore, that their clothing should be always of thick and warm material, and perfectly neat, clean and tidy.

Indifferently clad patients very soon lose their ideas of propriety, and that self-respect without which they can rarely recover. The supply of clothing should be so abundant, that frequent changes of all the apparel worn by each individual, may be made without difficulty or delay.

Personal cleanliness demands and should always receive the strictest attention, both as a means of preserving the physical health, and as an important moral agency. Exhalations from the bodies of the insane are often strongly marked, and a large class of patients are liable to become careless and filthy in their habits. In addition to the regular use of the tepid bath for purposes of cleanliness, it is necessary to exercise great care, in order to insure a proper observance by the patient, of this great essential of health and comfort.

Care, anxiety, grief, distrust, domestic affliction, poverty, and reverses of fortune are among the most prominent moral causes of insanity. In high states of civilization, when the relations of men are intimate and likely to suffer by contact, when their nervous susceptibilities are unduly exalted, and

their minds become irritable by a social friction, the influence of the passions and emotions in the production of mental disease, cannot be overestimated; and it should be borne in mind also, that not only do the passions and emotions exercise a great influence *upon* the *body*, but that the condition of the body controls, in an equal degree, the operations of the mind.

How important then, in a hygienic point, it is, that those who have become diseased and seek the benefit of treatment. are not only able to be removed from the excitements instrumental in the development of their malady, but that they are provided with every facility for treatment which skill and experience can suggest or invent, or capital procure. The most strict personal attention of the officers of the establishment should be given to their diet and regimen. Their rooms should be large, light, airy and well furnished; with a pleasing degree of warmth in cold weather, and perfect ventilation at all times. The appointments for bathing should be convenient and extensive. Their food should be nutritious, wholesome, and spread before them in the most inviting manner; music, books, pictures, and games should always be at hand; raised walks, covered galleries for stormy weather, bowling alleys, swings, gymnasiums, croquet grounds and skating rinks, are all highly serviceable in the mitigation of disease, and tend strongly to promote recovery.

In the moral treatment of insanity, all these means prove useless, unless assisted and directed by kind, faithful, intelligent attendants. No others can carry out your plans, no others are willing to devote themselves wholly and entirely to the work.

Patient, intelligent perseverance in kindness, with some indulgence as a reward for good conduct, and an honest firmness in the application of proper measures, will often secure great quiet and comfort among the most miserable and wretched sufferers from nervous disease, and restore habits of order and self-control to those persons of peculiarly perverse intellect and faulty education, who have never learned the habits and principles of self-government; kind and judicious conversation is with very many a powerful moral means of restoration to reason. Even when it seems to be listened to with indifference, it is often attended to and carefully reflected upon. The

mere habit of pondering over it and thinking upon it, diverts the mind and gives rest to the diseased feelings, and the patient seems at once to make an advance towards recovery.

These brief remarks indicate very feebly something of the plan of treatment most faithfully and hopefully followed in your institution. Whatever of success it has attained, is due mainly to those young men and women who have so scrupulously and perfectly carried out our plans; who have so wisely assisted in all the details of trial and labor, without any ulterior design or selfish motive; with no thought of reward save that of an approving conscience. Some such there are, and in your service, who have by their intelligent, persevering kindness, by their untiring energy and devotion to the wants of the insane, exalted the performance of the most menial duties to the character and dignity of a mission. By the assistance of such, and only such, can we hope to make our hospital all it should be.

In the appointments of this hospital a want has long been felt, of a limited number of attendants of a higher order than any yet found in hospitals for the insane. Men and women possessed of true Christian feelings, elevated in character, courteous in manner, cultivated and intelligent in mind, and having that peculiar tact and nicety of feeling, which will enable them to move and act among the various grades of patients and employees, without friction or distrust, would supply a want frequently felt and and often expressed by both patients and officers. They should not be confined to the ordinary duties of the ward, but should act as teachers, guides and companions to such as need their assistance. To some they would be of great benefit as instructors, to some as readers, to many others as guides and companions.

Another want frequently felt, is the presence, in the male wards, and particularly in the wards for the old and feeble men, of one or two women of middle age, of strong Christian feelings and elevated characters, who shall act as nurses and companions to those who so much need them. These old and sick men, who have but just left their own houses, their wives and their daughters, placed among entire strangers, and often necessarily under the care of young men, who have no tact or experience in the performance of their duties, and but little

true feeling in regard to them, must suffer most keenly the loss of such attentions as woman only can bestow.

The presence in our male wards of one or two women well acquainted with the whole subject, of refined manner, Christianly patient, so intelligent as to be a guides, friends and counsellors to all who would need their services, would be making a great advance toward perfecting our plan of treatment.

Another want which has long been felt, and often most timidly expressed, is that of a thoroughly educated, refined, Christian woman, as an assistant-physician, on the female side of the house.

I know perfectly well the cost of any such recommendation; but my interest in the welfare of the insane, and my long experience in the details of hospital life, enable me to speak with some degree of confidence in reference to this matter, and I express my earnest conviction, in desiring that some well educated young woman, commencing as an attendant, shall pass through a regular course of instruction, become duly qualified, and at some future day act as medical assistant in the female department of this hospital.

On the evening of every day, and on the afternoon of Sundays, religious services have been held in the chapel by the Rev. George Allen, who for more than eighteen years has so faithfully and acceptably performed the duties of Chaplain. One afternoon of each week has also been spent by the Chaplain in wards of the hospital, in visiting and conversing with such patients as desired religious instruction and comfort. And from my personal knowledge, I venture to say, that great benefit has resulted from these interviews. The promises of the gospel, rather than the terrors of the law, have been wisely presented, with such cheering and hopeful words, and in such a quiet and modest manner, that not only have the depressed been consoled, the old and feeble comforted and strengthened, but the convalescent have also received salutary lessons, the benefit of which they retain after they return to their homes.

All the usual amusements, recreations and entertainments have been pursued with vigor during the year. Lectures, concerts, social parties, dancing parties, readings and recitations during the winter season; long walks, rides, croquet parties and impromptu pienies during the summer, are among the more

common means used for breaking the otherwise dull and tedious monotony of the time.

A class in light gymnastics was during the winter organized among the female patients, and regular lessons have been given twice in each week. The interest excited at the first continues unabated, and much good is expected to result from this enterprise.

An attempt has been made to extend our facilities for gymnastic exercises for both sexes by putting up such fixtures on the lawns as seemed most desirable in carrying forward this part of our work.

The amount of discipline and self-control which all our attempts of this character exercise on the patients, is productive of great good in dispelling gloomy forebodings and in cheering the hearts of the depressed. Even those under the influence of deep melancholy, who can take no active part in the scenes themselves, and who seem to have little or no interest in them, do often look with pleasure and delight on the games and plays which their minds are too dull and vacant to fully appreciate.

A large number of newspapers and periodicals and illustrated papers are received by the patients every week. Not a few receive direct from the publishers their accustomed paper or magazine. The reading rooms and libraries are well supplied with books, maps and periodicals. More than one thousand pictures, of various kinds, hang on the walls of the several wards.

In making up the annual reports of this hospital, it has not been the custom, for many years past, to express any want or ask for any assistance; but as appearances now indicate that high prices will continue to rule, and that it will be considered uncharitable and unwise to raise the price of board to a corresponding rate of increase, it may be well to consider the propriety of asking legislative appropriations for such objects as are deemed of vital importance.

The water closets and bathing rooms in the centre wards are so worn out by long continued use, that they must be replaced immediately, and will cost one thousand dollars. The water closets in the return wings need extensive repairs, and will require an outlay of five hundred dollars.

The bowling alleys taken up in making alterations some years ago should be replaced, and will cost five hundred dollars.

The verandas on each side of the house should be enlarged, and brought forward with new fronts, giving space for parlors, or day rooms for the centre and Johonnot wards,—a work which would require an outlay of about five thousand dollars.

Then a building for the purposes of a gymnasium is much needed, and would cost about five thousand dollars; making, for permanent improvements and construction, the sum of twelve thousand dollars.

It is believed that no one who will investigate the subject would doubt the propriety or utility of these improvements, or regard the sum stated more than sufficient to do the work in a plain and substantial manner.

I beg to remind you that the boilers and pipes for warming the establishment have been in constant use, with only very slight repairs, eleven years, and will not probably stand many years longer; indeed, it is supposed that the steam apparatus has already operated longer, as well as more satisfactorily, than that of almost any other similar establishment in the country.

I trust you will bear with me while I once more, very briefly, call your attention to the subject of improved arrangements for the care and control of certain classes of the insane. Alienists are agreed upon the necessity of classification; of separating such as are liable to injure themselves or others in any way; and permitting those to associate together who may contribute in some degree to each others' restoration. How can this be well done under existing circumstances? How can it be done at all, unless the establishment is both a hospital and an asylum, so constructed that its several parts are more or less detached from each other? How can the old and feeble be separated from the violent and noisy, so as not to be disturbed by them? How can the convalescents be placed beyond the constant annoyance of those who have depraved habits, obscene language and disgusting manners? And how can those unfortunate persons be made comfortable and happy who only suffer from some disturbance or obliquity of the reflective faculties; whose perceptions are keen, whose feelings are

tender, and whose sense of propriety remains active; how can they be properly directed and controlled in any existing hospital arrangement?

These various classes of patients require for their restoration to health and soundness of mind a wider separation from others than is at present possible. Not isolation, but segregation, which shall divide them into groups, possessing nearly the same characteristics, mental and physical, and give to each a house within the hospital precincts. The house should be convenient, tastily arranged, and have a garden, lawn, and such other appointments as would be desirable for a family of well-to-do people.

In view of the constantly increasing demands for accommodations for the insane, it is most earnestly desired and recommended, that some measures be taken to put in operation, in a small, safe and inexpensive way at first, the plan indicated by these remarks.

If need be, appoint a committee of your board to present the subject to the legislature for authority and assistance.

It cannot be that Massachusetts, with her five large hospitals, her three large pauper establishments, her numerous smaller asylums, receptacles and almshouses, is so well satisfied with her existing arrangements that she is unwilling to take advantage of some occasion to try other methods of caring for and restoring this unfortunate class of her children. If so, why do her citizens so often seek for their insane relatives accommodations which the Commonwealth does not afford to any, even the most affluent? This question is rapidly becoming one of the great problems of social science. To meet it fairly and honestly, and to assist, wisely and faithfully, in its solution, is our duty and privilege.

I am especially grateful to Miss Dix for many favors. To Dr. R. W. Hooper and William Emerson Baker, Esq., for valuable and rare photographs; and particularly to two friends of the original and of the Worcester hospital, for a very fine and life-like portrait of Miss Dix, painted by Waugh, of Philadelphia, and sent to us as a Christmas gift. It now graces the walls of the trustees' room in the hospital.

I am also under obligations of respect and gratitude to my assistants in the various departments of official labor. They

have performed their duties cheerfully and faithfully, and rendered all necessary assistance in the management of the institution. These duties are arduous, and often peculiarly trying; yet no word of complaint or murmur of dissatisfaction is ever heard.

The employees have generally performed all their duties in a highly satisfactory manner.

With great pleasure I acknowledge from several members of Congress and heads of departments valuable public documents, which annually increase the library of the patients. The publishers of many newspapers have also sent to us their regular issues, without cost. Hon. J. D. Baldwin, Hon. J. S. C. Knowlton, Dr. Bartholomew, publishers, of this city, and S. S. Thompson, Esq., continue as heretofore to send us large packages of exchanges, besides the daily and weekly issues of their own publications. Dr. Hooper sends us valuable magazines. Mr. and Mrs. Munroe, Mr. Hill, Miss Hill, Mr. Jordan and Mr. Rice, of the Old South Church choir; Mrs. Doane and Mr. Allen, of the Central Church choir; Mr. Chandler and Mrs. Sumner, with their class; Miss Nellie Fiske and Mrs. Denny, of Union Church choir; Mr. D. H. O'Neil and choir of St. John's Church; Miss Annie Sargent, Mr. Burt, Mr. Zittertart, Mr. S. R. Leland, and many others, gave us concerts of sacred music during the long evenings of winter and spring. acknowledgments are also due to Miss Eliza Lamb, who has so kindly assisted us in our light gymnastic class, and to William Knowlton, Esq., for many favors.

The year just closed has been one of unusual anxiety and interest, but we have been met by no insurmountable difficulties, nor alarmed by impending dangers. The number of patients who have received the benefits of the hospital has been large, and the general history of the year is one of prosperity.

By the act of a wise and generous legislature, the hospital has been relieved of its financial difficulty, and it has now better facilities for carrying on its great work than it ever before possessed. I desire to express my thanks for the encouragement thus afforded me amid the labors and anxieties of my position.

To you, gentlemen, and each of you, I desire to express my grateful sense of obligation for the many kindnesses shown me,

and for the ready counsel and assistance always afforded me in conducting the affairs of this institution, and promoting in every way the comfort and welfare of its inmates.

We close the labors of the old year, and commence those of the new, with unfaltering trust and confidence in the strength of Him who has upheld us in the past, hoping and believing that in the future our labors may be crowned with success.

MERRICK BEMIS.

Worcester Lunatic Hospital, Worcester, Oct. 1, 1867.

METEOROLOGICAL OBSERVATIONS

MADE AT

THE STATE LUNATIC HOSPITAL, WORCESTER, MASS., 1866-7.

Latitude, 42° 16′ 17″ N.; Longitude 71° 48′ 13″ W. Elevation, 528 feet.

Explanation.—The force of the wind is estimated upon a scale of 10 and indicated by figure affixed to the letters denoting the direction. When no number is affixed, 1 is meant.

METEOROLOGICAL OBSERVATIONS-OCTOBER, 1866.

	REMARKS.		Fair weather.	Fair weather.	Fair weather.	Clear and cold; frost.	Clear and cold.	Clear and cold.	Fair weather.	Fair weather; hazy.	Cloudy weather.	Cloudy weather.	Fair weather.	Cloudy weather.	Cloudy weather.	Cloudy and rainy.	Clear.	Clear.	Fair weather.	Cloudy and rainy.	Fair weather.	Fair weather.	Fair weather.	Cloudy and rainy.	Cloudy.	Cloudy.	Cloudy and rainy. [P.M.	Fair; aurora borealis, 9	1						
	Inches	Snow.	1	1	ı	1	ı	1	1	1	1	ı	ı	f	ı	ı	1	ĺ	ı	ı	1	ī	ı	1	i	ı	ı	1	ı	ı	1	ı	1	'	
SNOW.	Inches Rain &	Melted Snow.	1	1	1	1	ı	1	1	1	I	1	1	ı	ı	34	1	1	ı	1	1	1	1	1	.21	1	1	1	97.	ı	ı	1.72	ı	2.37	
RAIN AND SNOW.	Hour	Ended.	1	1	1	į	1	1	1		1	1	1	ı	1	12 p. m.	1	1	1	ı	ı	ı	ı	1	4 a. m.	1	ı	1	3 a. m.	1	ı	6 p. m.	, '	unt,	
RA	Hour	Began.	1	i	1	1	1	ı	1	1	ı	ı	1	ı	1	8 a. m.	1	1	1	1	1	ı	1	85 p. m.	, 1	1	1	6 p. m.	, 1	ı	12 p. m	, 1	ı	Amount,	
describer of the second	orec.	9 P. M.	ż	S. W.	N.W.	S. W.	N.W.	N. W.	N. W.	N. W.	z z	Z.	Z. E.	Z.	N.E.	N. E.	N. W.	z	ż		N. W.	S. W.	S. W.	S. W.	N.W.		Z.W.	Z.	Z. W.	z	N.E.	S. W.	W	'	
WIND.	Direction and Force.	2 P. M.	N.E.	N.W.	N. W.	N.W.	N.W.	N. W.	N. W.	N. W.	N. E.	Z Ei	Ξ.	Z. E.	z E	Z. E.	N.W.	ż	ż	ż	N.W.	S. W.	S. W.	S. W.	N.W.	N.W.	N.W.	Z.	Z.W.	N.E.	Z. E	S. E.			
	Direc	7 A. M.	N.E.	Z. E.	N. W.	z E	N.W.	N. W.	N. W.	N. W.	N. E.	ei Z	z E	z E	z E	N. M.	Z. W.	Z. Ei	ż	ei Z	N. W.	S. W.	S. W.	S. W.	N.W.	N.W.	N. W.	z E	z E	ż		S. El	*		
SC.	red.	. 9P.M.	0	5	0	0	-	0	0	27	ဘ	_	2	2	01	01	0	0	0	0	0	0	10	10	-	0	0	10	c7	C1	10	10	0	es	-11
CLOUDS.	10=covered.	и. 2Р.м	Ξ	2	C7	0	0	0	_	4	10	ಣ	ಣ	10	4	10	0	0	_	9	67	ಣ	_	10	2	9	က	10	00	10	10	10	9	4	
-		P. M. 7A.3	29.527 6	.288 0	.389 0	29.651 0	29.888 0	.733 0	29.464 0	29.426 4	.733 10	29.668 9	29.546, 3	29.364 10	29.384 4	29.446 10	$29.641 \mid 0$	29.443 0	29.417 2	.571 0	29.600 0	.569 3	.520 2	29.304 10	29.181 10	.257 0	. 599 3	29.494 10	.486 10	.734 1	29.478 10	29.010 10	29.429 0	29.491 4.	
BAROMETER.	Cor. and Red. to 32°.	7 A. M. 2 P. M. 9 P. M. 7A.M. 2P.M. 9P.M.		29.396 29	29.276 29	29.571 29	29.822 29	29.763 29	29.522 29	29.398 29	29.687 29	29.670 29	29.562 29	29.395 29	29.333 29		29.560 29	28.576 29	29.285 29	29.517 29	29.576 29	33	29.516 29	29.300 29	29.175 29	29.179[29]	29.556 29	29.559 29	29.389 29	-	590	28 837 29	29.256 29	29.498 29	
BAR	Cor. an	7 A. M.	-	29.531	29,158	29.496	29.850	29.868	29.643	29.442	29.514	29.721	29.644	29.454	29.362			29 643 2	29.349	29.516	29.606	29.621		29.422	29.281	29.217	28.443	28.655			29.745		29.187	29.560	
		Mean.	58	09	53	43	42	90	29	65	51	49	49	90	$\overline{21}$	46	52	51	89	90	99	09	09	63	29	45	33	33	44	40	44	29	43	19	
	OMETER.	9 P. M.	52	64	42	39	39	48	61	29	47	45	47	47	09 .	49	47	48	53	48	55	69	99	62	90	43	35	42	43	33	19	40	40	48	
	THERMO	2 P. M.	99	69	57	99	52	58	29	73	55	22	99	29	99	46	69	69	68	09	69	71	72	69	6.5	52	45	45	20	45	46	63	48	99	
	E	7 A. M.	57	47	C9	36	35	34	45	29	54	47	42	46	45	45	90	45	55	42	44	19	55	58	22	42	33	35	40	36	3,5	. 09	42	46	
	mom mom	the	1	2	က	4	9	9	7	œ	6	10	=	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	53	30	31	ns,	$\ $
	oon,		U	1	_					•							-	A						(9						1	Y		Means,	

METEOROLOGICAL OBSERVATIONS—NOVEMBER, 1866.

	REMARKS.		Fair weather.	Fair weather	Fair weather	Fair weather	Foir woother	Fair weather	Fair weather	Fair weather.	Fair weather.	Fair weather.	Cloudy.	Rain A.M.; hazy P.M.	A number of shooting	Fair weather. [stars.	Cloudy; rain P.M.	Rainy.	Fair weather.	Fair weather.	Cloudy and rainy.	Kainy.	Fair weather.	Cloudy; hrst snow.	Fair westher	Fair weather	Fair weather.	Pois mosthes	Fair weather.	Cloudy.	Rainy A. M.; fair P. M.	
	Inches	Snow.	•	1	1	1		1	1	- 1	1	1	ı	ı	1	1	ı	1	1	ı	ı	ı	ı	ı			ı	1			1	
SNOW.	Inches Rafn &	Melted Snow.	1	1	1	ı			ı	1	1	1	ì	.21	1	1	1	1.50	1	t	18	77.	ı	1 9	۲. ا	' '	1 1			1	.18	12 0
RAIN AND SNOW.	Hour	Ended.	1	ı	ı	1	1		ı	,	1	1	1	3 a. m.	ı	ı	ı	7 a. m.	ı	ı	١,	1 p. m.	ı	۱	, III. 2	I 1	1 1		ı		1 a. m	
RAI	Hour	Began.	-	1	1	ı	1	1	1	1	1	ı	1	12 p. m.	1	1	12 m.	ı	ı	1	1 p. m.	1	1	P. m.	1 1	-				11 11 11	- I - III - I	
	rce.	9 P. M.	N. W.	S. W.	N. W.		N	Z	N N	N. W.	N. W.	ż	pi	N. W.	ż	zi Zi	드 된 본	·	<u>.</u>	. N.	न इं!			N N	. A	12	. N	· A	- A		W.	
WIND.	Direction and Force.	2 P. M.	N. W.	S. W.	W.	N.W.	N	Z	N.	N. W.	N. W.	N. W.	ri Pi	. W.	ż	zi,	э Х	 	·	×.		!!		. 2) Z	N Z	N. S.	. A		S. S.	₩	
	Direct	7 A. M.	N. W.	S. W.	W.	N.W.	z	E	N.W.	N. W.	N. W.	×.	zi Z	N.W.	z	i i	મ સંદ	٠ ١		. W.	. W.	N N		12	N	z	M		W.S.	. M	Š	
08.	red.	9г.м.	0	-	4	2	-	0	_	_	C1	က	2		0	χ .	10 10	0	> 9	ر د	2	2 9	2	200) 20	-	- ci		2	20	27	
CLOUDS.	10=covered.	м. ЗР. м.	0 -	4	က	20	0	0	-	က	ಣ	_	<u></u>	00 0	0	77	26	n .	40	200	27	2°	2	12	្ត	-	-	-	000	20		1
		9 P. M. [7A.M. 2P.M. 9P.M.	29.493 1	29.446 3	29.666 2	29.830 0	808	733 2	448 3	389 3	304 2	389 1	396 10	493 8	0 289	200	57.7	959 10	200	9//9	070 0	167	997 6	973 10	316 5	615 2	618	564 1	99 430 9	29 251 10	29.154 10	614
BAROMETER.	Cor. and Red. to 32°.	2 P. M. 9 1	29.549 29	9.359[29]	9.602 29.	0.702 29	9.823 29	0.724 29	9.508 29	0.376 29.	9.389 29	9.382 29	9.463 29	9.412 29	3.598 29	9.6/8 29	9.464 29.	8.779 28	9.099 29	9.649 29	0.033 23	0.000 20	965 99	140 29	330 29	0.511 29	625 29	66 889				99 393 99 614
BARC	Cor. and		29.565 2	29.400 2	29.635 29	29.766 2	29.900 2	29 828 2	29.642 2	29.411 28	29.435 2	29.402 2	29.500	20 369 2	29.610 2	29.698 2	23.612	20.040	27 10 62	23.62.02	20 101 2	28 080 90	90 905 90	29, 150, 26	29.386 20	29,888,99	29.704 29	29,631				99 616 99
		Меан. 7 А. М.	38	48	04	37		37	47	52	1.0	200	47	47	40	54.	40	10	310	000	0 +	41	36	3 6	300	26	900	30	25	19	20	43
or and a second	OMETER	9 Р. м.	37	47	40	33	33	300	48	50	29	46	25	£15	35	21 0	00:	##	40	4.4	55.00	300	3000		31.	22	35.	000	24	61	42	64
O State L	пекао	2 P. M.	45	57	47	43	37	46	55	62	58	58	21	25	2 4	φ. τ	7	200	200	4. 0.	200	43	30	38	250	56	36	49	09	63	48	4.8
Ē		7 A. M	3.5	3	35	3.5	24	182	39	43	4	47.	4.2	7	920	99	200	000	50	70	940	400	1 10		27	27	18	30	49	5.5	09	40
of nth.	SYB OIII	9113	1	Ç1	3	7	ū	9	1-	တ	G ;	۹;	1	27 9	13	# 1	61	0!	77	0 0	61.0	3.5	166	23	157	122	26	27	28	53	30	1 0300
*87	oseų uoo	d N							0	6					F	7						0)			_			U			N.

METEOROLOGICAL OBSERVATIONS—DECEMBER, 1866.

	REMARKS.		Fair weather.	Fair weather.	Fair weather.	Cloudy and rainy.	Fair weather.	Cloudy and rainy.	Fair weather.	Cloudy and rainy.	Fair weather.	Cloudless.	Rainy.	Rain A.M.: fair P.M.	Fair weather.	Cloudy.	Fair weather.	Cloudless.	Cloudy and rainy.	Cloudy and rainy.	Cloudy and rainy.	Fair weather.	Fair weather.	Snow.	Fair weather.	Cloudless.	Fair weather.	Cloudy A.M.; snow P.M.	9.00						
	Inches	Snow	ı	ı	1	ı	ı	ı	1	1	ı	ı	1	1	1	ı	1	ı	7	. 1	1	1	1	1	ŀ	ı	1	1	ı	∞	1	1	1	15	
SNOW.	Inches Inches	Melted Snow.	1	ı	1	.23	ı	20	1	ı	.50		1	ı	ı	1	ı	1	.50	1	1	1	ı	ı	ı	2.	1	ı	ı	1.60	1	1	ı	3.73	
RAIN AND SNOW	Hour	Ended.	1	1	1	12 p. m.	, 1	12 p. m.	, 1	1	3 a. m.		1	1	,	ı	,	ı	12 m.	1	ı	1	1	1	1	2 p. m.	, 1	ı	1	4 a. m.	ı	1	ı	mts.	
R	Hour	Began.	1	ı	ı	12 m.	1	9 p. m.	. 1	124 p. m.		1	1	1	1	ı	1	44 p. m.	1	ı	1	ı	1	8 p. m.	, '	1	1	1	8 a. m.	1	1	,	1 p. m.	Amounts,	
۰	orce.	9 P. M.	N.W.	×.	S. W.	S. W.	N. W.	S. W.	N.W.	S. E.	N. W.	M	A	S	Α.	N.W.	N. N	E Z	N.W.	ż	N. W.	N. W.	Z. E.	N. E.	S. W.	N. W.	N. W.	N. W.	S. E.	N. W.	N. W.	N. W.	z E		
WIND.	Direction and Force.	2 P. M.	W.	N. W.	S. W.	S. W.	N. W.	S. W.	N.W.	S. EI	W.W	N. W.	N.W.	N S	W	N.W.	M	E Z	N W	N. W.	N. W.	N.W.	z z	z	S. W.	N.W.	N. W.	N.W.	Ħ	N.W.	N.W.	N.W.	N.E.		
	Direc	7 A. M.	S. W.	N.	S.W.	S. W.	N.W.	M.	S. W.	N. W.	N.W.	N.W.	N.W.	×	M.	N.W.	z	Z Z	Z.	N.W.	N.E.	ż	ż	Z. E	z. ⊠.	S. W.	N. W.	N. W.	pi	N. W.	N. W.	N.W.	ż		
S.	red.	9P.M.	0	0	က	10	_	01	_	101	,	-	-	c?	4	2	0	10	10	ന	10	0	0	10	91	ō	S	_	10	9	0	_	01	4	
CLOUDS	10=covered.	7A.M. 2P.M. 9P.M.		0	C 1	10	_	10	2	10	4	-	-	2	2	0	0	10	10	ಣ	10	0	0	10	10	01	2	-	10	ê	0	-	21	4	
C C	4		40	27	03	6	-	x	37	4	2	-	0	2	2	0	0	10	10	0	5	2	0	10	01	10	∞	0	10	01	0	ೞ	∞	4	
ER.	to 32°.	9 P. M.	29.418	29.623	29.712	29.127	29.634	29.512	29.399	29.349	29.125	29.333	29.451	29,447	29.409	29.577	29,659	29.124	29.099	29.567	29.348	29.804	29.896	29.555	29.027	29.010	29.250	29.399	28.129	28.882	29.372	29.651	29.562	29.659	
BAROMETER	Cor. and Red. to 32°.	2 P. M.	29.290	29.504	29.720	29.305	29.538	29.649	29.351	29.432	29,099	29.158	29,454	29,396	29.404	29.474	29.627	29.652	28.854	29.496	29.388	29 645	29.904	29.651	29.173	28.893	29.160	29.405	28.581	28.712	29.242	29.525	29.550	29.346	
BA	Cor. a	7 A. M.	29.195	29.496	29.723	29.568	29.459	29.708	29.382	29,445	29,055	29.128	29.449	29,451	29.477	29.454	29.684	29.623	29.688	29.454	29.574	29.501	29.936	29.802	29.305	28.795	29.138	29.411	29.123	28.474	29.130	29.520	29.661	29.345	
	ئہ	Mean.	333	28	34	44	46	42	45	42	30	27	21	21	23	17	20	22	26	23	53	6	2	27	41	45	35	38	32	18	19	17	15	28	
	METE	9 Р. М.	28	27	34	20	45	43	44	48	35	24	20	6	25	16	19	GS GS	24	20	30	0	6	34	45	40	34	56	31	17	15	12	17	27	
	PHERMOMETER	2 P. M.	36	35	45	49	51	48	54	45	45	31	56	53	27	20	53	22	67	30	333	1	15	32	39	47	40	34	35	20	50	53	17	32	
	H	7 A. M.	37	24	25	35	43	37	38	34	40	28	12	29	38	16	12	15	27 .	21	25	17	က	15	40	50	33	26	31	17	12	16	11	25	
th.	mom rks c	the Da		22	က	4	5	9	1	- ∞	6	10	=	19	133	14	15	16	17	18	19	20	21	22	23	24	25	56	27	28	29	30	31	ns,	
8	oon	IA IT							6							6	1					(9	1						y	1			Means,	

ETEOROLOGICAL OBSERVATIONS—JANUARY, 1867.

	REMARKS.		Cloudy and stormy.	Toin monther	Lair weather.	Fair Weather.	Cloudy and storing.	Cloudy and stormy.	Fair weather.	Fair weather.	Cloudy.	Cloudy.	Cloudiess; aurora bor's.	Cloudy.	Fair weather.	Cloudy.	Fair weather.	Furious snow storm.	Cloudy.	Cloudy.	Fair A.M.; cloudy P.M.	Stormy.	Fair weather.	Fair weather.	Fair weather.	Fair weather.	Cloudy and stormy.	Fair Weather.	Fair weather.	Fair weather; snow sq. L.	Fair weather.		
	Inches	Snow.	L	5	ı	ı	1	١	ا د	I	1	1	1	ı	ı	ı	ı	18	ı	ı	1	12	ı	ı	ı	۱ ,	n	ı	1	ı	1	.	44
SNOW.	Inches Rain &	Melted Snow.	1 %	9		ı	ı	100	٠. ١	ı	1	1	Ĩ	1	1	1	ı	2.50	ı	ı	1	1.20	ı	ı	ı	1 5	.40	ı	ı	ı	ı	1	5.16
RAIN AND SNOW	Hour	Ended.	1 6		ı	ı	ı	١,	. p. m.	1	1,	. 1	ı	1	1	1	1	2 p.m.	ı	ı	1	l p. m.	1	ı	-1	ı,	4 p. m.	ı	ι,	ı	ı		ints,
RA	Hour	Began.	1		ı		9 p. m.	1	1 1	'	1	ı	1	1	ı	1	ı	l a. m.	1	ı	11 p. m.	1	1	ı	ı	1	l a. m.	1	1	ı	1	ı	Amounts,
	orce.	9 г. м.	ej e	i			 	. N		N	z	N. W.	N. W.	ż	N. W.	Z. W.	z. Ei	z. Ei	N.	Z. W.	Z.	zi Z	z:		×.×	z;F	zi.	2	. N.	- K	N. V.	. w .	
WIND.	Direction and Force.	2 P. M.	ZZ EE			ž.	ir Z	zi.		N	₩.	N. W.	N. W.	N. W.	ż	ż	ri Z	Z. E.	Ż.	Z.W.	N. W.	ei Z	ż	×;	×;		بز در		· ×	· ·		IN. W.	
	Direc	7 A. M.	Z E	, F.				Z.		N	S. W.	z	N. W.	z	ż	ż	N.E.	N. Ei	Z. W.	N. W.	z E	Z.	. N.		N	zi ^F	ii z;	· · · · · · · · · · · · · · · · · · ·				IN. W.	
S.	red.	9г.ж.	10	3 0	> -	٦,	01	6	> 0	10	10	4	0	10	0	63	67	10	-	C)	10	10	C)		0 9	01	9.	٠,	-	20	00	n	4.
CLOUDS.	I0=covered.	.м. Зг.м	010		-		200	10	010	- 1	5	27	0	10	_	00	∞	2	<u>∞</u>	∞	67	2	27	00 (216	- 9	3°	200	200	000) C	o	4. 5.
E.	330.	9 P. M. 7A.M. 2P.M. 9P.M.	29.526 10	0.510	01000	7.407	3.000	8.940 10	8 8 14	8.854	8.801	9.204 6	9.420 0	9.147 6	9.110ϵ	9.335	9.335	8.722 10	8.985 10	9.146	9.365	8.909 110	9.001	9.199	9.441 2	3.251	8.090 10	4/0.0	9.31/12	29.307	628	9.404	28.439
BAROMETER.	Cor. and Red. to 32°.	2 P. M.	29.481 2	, ,	00 494 00	20.404.62	29.296 2	20.004	28.759 2	28.804 2	28.829 2	29.049 2	29.344 2	29.222 2	29.101 2	29.167 2	29.485 2	28.592[2]	28.895 2	28 945 2	29.316 2	28 862 2	28.954 2	29.046 2	27.374 2	29.530 2	20.000 2	7 160.07	7 717.65	29.224 2	20.040.02	23.003 2	25.398 2
BAJ	Cor. at	7 A. M.	29.512	90,515	90.450	001.07	104.65	050.040	98.819	28 819	28 882	28.979	29.320	29.385	29.112	29.140	29.498	28.932	28.935	28.955	29.319	29.005	28.986	129.004	29.351	20.400	23.931	20.001	777.67	29.267	000.05	010.67	28.635
	.,	Mean.	26 94	10	700	0 0	200	22.0	21	601	24	50	17	16	17	13	10	17	တ	4	12	61	97	27	28	77 6	222	# C	3;	- - - - -	0 0	13	19
	THERMONISTER.	9 Р. М.	30	10	0.0	4 6	22.0	3 5	206	i ci	2.4	55	15	17	13	20	10	18	+-j+	4	16	22.	77	77	3,5	67.0	9	77.	5.	27 0	2 5	17	19
0.00	PHERM	2 P. M.	25 80 80 80	3 6	# c	07.0	# 0	33	33.4	272	30	27	55	20	23	18	17	20	10	6	13	50	020	30	3 8	250	900	270	7.7	51.	210	6.7	23
		7 A. M.	81 G	ļĸ	9 5	2 6	210	3 8	15	20	17	Ξ	15	10	15	7	4	14	6	0	0	<u>:</u>	233	33	179	77	# c	300	2.20	ا د	7 0	0	14
of ith.	ays non	тре	– 6	10) ~	H 40	0 9	21	-00	6	10	11	25	13	#	15	16	17	158	19	50	22	33	573	#70	90	202	77	200	Ş. 6	900	10	ns,
8,	ี บอล เกล	I.				•	9							A						(9						,	y					Means,

GICAL OBSERVATIONS—FEBRUARY, 1867.

Z

	REMARKS.		Fair weather.	Cloudy and rainy.	Cloudy and rainy.	Cloudy and rainy	Cloudy and rainy	Fair weather	Fair weather	Fair weather	Cloudy and rainy	Fair weather.	Fair weather.	Fair weather.	Cloudy.	Cloudy.	Cloudy.	Rainy.	Fair weather.	Fair weather.	Fair weather.	Snow storm.	Snow storm.	Fair weather.	Cloudy and rainy.	Cloudy A. M.; fair P. M.	Fair weather.	Fair weather.	Clear.	Fair weather.	
	Inches	Snow.	-	1	1	ı	1	-		ı	1	1	ı	1	1	ı	4	ı	1	1	ı	ı	1	9.50	ı	1	ı	1	1	1	9.50
SNOW.	Inches Inches	Melted Snow.	1	1	£9.		65	2		1	1	1.90	1	1	ı	1	1	ı	.40	1	1	1	1	es.	1	45	ı	1	ı	1	4.42
RAIN AND SNOW.	Hour	Ended.	1	ı	12 m.	1	11 a m.	1	,	1	1	4 a. m.	1	ı	ı	1	ı	1	l a. m.	ı	ı	1	ı	9 a. m.	1	8 a. m.	1	1	ı	1	ints,
RA	Hour	Began.	,	9 p. m.	_	91 n m	1 2	1	1	ı	l a m	; 1	1	1	ı	ı	1	9 a. m.		ı	1	9 a. m.	1		8 p. m.	1	1	1	1	ı	Amounts,
	огсе.	9 Р. М.	W.	. v.	A	W.S.	N.W	N Z	>	N S	N N	N. W.	S. W.	S. W.	S. W.	S. W.	zi Ei	ы	N. W.	N. W.	ż	Z,	z z	M	ei Ei	N. W.	ż	N.W.	N. W.	N. W.	
WIND.	Direction and Force.	2 P. M.	S. W.	Z Z	S. W.	N. W.	N. W.	M	N	W	N	N. W.	W.	S. W.	S. W.	S. W.	Z E	pi	N. W.	N. W.	ż	i E	zi Ei	z	ż	N.W.	N.E.	N. W.	 	N. W.	
	Direc	7 A. M.	S. W.	<u>.</u>	四	W	D.	A		Λ		<u>.</u> ≱		Α.	<u>`</u>	≽	ei,	<u>고</u>	W.	≽	N.	ri,	ri,	z	<u>.</u> ≽	ei Ei	≱.	Z.	. W	N. W.	
	d.	P.M.	0	9	0	0	0	10		· _	2	0	ō	×	01	9	_	9	23	9	67	2		01	9	2	0	_	0	2	5.
crouns.	10=covered	P.M.	4	_ 0	0	_	0	00	, -			, co	<u>.</u>	5	<u>~</u>	<u>-</u>	2	0	5	<u>~</u>		- ·	0	0		9	→	~ ·	 0	າລ	9
CL	10=0	7A.M. 2P.M. 9P.M.	60 c	= 21	 0	_	0	_	-			· 	0	5	07	 ∞	_	_ o	 ∞	01	0	0.0	= 0	 0;	21	0 '	0	C7 :	- -	61	5.
SR.	Cor. and Red. to 32°.	9 Р. М. 7	9,220	29.I70	28.831	29.295 1	9.123 1	9.575	082.6	29.504	23.960 1	9.783	30 097	29.875	29 556	29.548	29.841	29.213	29.318	29.258	9.576	9.520	22 272 1	29.418 1	29.409	29.251	29.515	9.543	3.665	9.475	28.570 29,418 29,446
BAROMETER.	ed. to		and the		771 2		_	413 9	732.5				145				29.750		275	378	423								210 2	515 2	418
ROI	nd B	2 P	_	29.333	28	29.240		8	8	23	29					_		63	53	23		32	3	8	3	22	Si.		23 645	.50	29
a.	Cor. a	7 A. M. 2 P. M.	29.063	29.383	28.813	9.053	8.928	9 343	9.715	9.735	9.193	28.813	0.156	29 956	29.818	29.452	9.670	9.731	9.178	29.446	29.298	29.567	29.567	29.532	29.552	28.983	29,488 29,493	29 500	966 6	9.70	8.570
		Mean.	_				38	34	35	39	45	19			_	_	33	30	-	-4	-41			•••	••	• • •	••	• • •	29	33	32 2
THEFT	uara Kr	9 P. M.	39	35	39	38	800	35	3 55	42	43	90	25	ဆွ	46	45	62,	33	37	36	24	13	7.7	27	52	34	23	င္ပ	7.7	33	32
hter MO	Maria	2 P. M.	46	36	43	40	41	30	45	47	46	28	27	38	20	53	တ္တ	88	800	40	38	61	97	325	30	46	31	633	36	40	37
<u>.</u>	'	7 A. M.	37	22	35	36	500	66	200	50	47	23	6	30	က္က	48	35	53	34	65	÷ €	67	20	24	15	35	24	17	75	21	25
'tti	ays mon	the the		21	က	4	ıç	9	10	- 00	0.00	201	=	12	133	14	15	16	17	18	139	3	77	7.7	23	77	3	97	.72	28	18,
	pssc					0)						A						(9							1	y			Means,

METEOROLOGICAL OBSERVATIONS—MARCH, 1867.

	REMARKS.		Cloudy A.M.; rain P.M.	Rainy A.M.; cloudy P.M.	Fair A.M.; snow P.M.	Cloudy and rainy.	Fair weather.	Fair weather.	Cloudy and stormy.	Fair weather.	Cloudy.	Cloudy and stormy.	Drizzly A.M.; el'dy P.M.	Drizzly A.M.; cl'dy P.M.	Drizzly A.M.; cl'dy P.M.	Fair weather.	Fair weather.	Cl'dv A.M.: stormv P.M.	Cloudy and stormy.	Fair weather.	Fair weather.	Clear.	Cloudy.	Cloudy.	Cloudy.	Cloudy.	Cloudy and rainy.	Fair weather.	Cloudy.	Cloudy. [seen.	blue	Fair weather. [pear.	Fair weather; robins ap-	
	Inches Inches	Snow.	1	ı	ı	1	5.50	1	1	3.50	1	ı	ı	1	ı	1	ı	1	13.00	1	ı	ı	ı	ı	ı	ì	ı	ı	1	ı	ı	1	1	22.00
SNOW.	Inches	Mel ed Snow.	ı	.25	1	1	.70	1	1	.70	1	1	ı	1	82	1	t	1	1.32	1	ı	ı	1	ı	ı	1	19:	i	1	1	1	ı	1	4.49
RAIN AND SNOW.	Hour	Ended.	-	9 a. m.	1	1	l a. m.	1	1	4 a. m.	1	1	ı	1	7 a. m.	1	1	1	6 p. m.	1	1	1	ı	ı	1	ı	6 p. m.	1	1	ı	ı	1	1	Amounts,
RA	Hour	Began.	l p. m.	1	9 p. m.	1	ı	1	4 a. m.	1	ı	8 a. m.	1	ı	1	1	1	4 p. m.	, 1	1	1	1	1	1	ı	1	I a. m.	1	1	1	1	1	1	Amo
	oree.	9 г. м.	N.E.		K.E.	z Z	N. W.	z, Ej	Z H		N.E.	N.E.			N.W.	N. W.			N.E.				zi zi					×. ×.		V	z.	N. W.	N. W.	
WIND.	Direction and Foree.	2 P. M.	Z;	. W.	ż	zi Ei	N. W.		zi zi	Ä	Z.E.	z E	Z.	Z.	N. W.	N. W.			N.E.	N. W.	N. W.	z E	zi,			zi Zi	N E			N. W.	×	N. W.	. W.	
	Direc	7 A. M.	Z.	S. W.	ż	zi zi	ż	z E	Z. E.	ż	Z. E.	z E	z E	z E	zi Z	N.W.	N.W.	N.W.	N.E.	N.W.	×. W.	×.	zi Zi	ei,	i z;	۱ ۲	zi Z	N.W.	ż	ż	z.	N.		
DS.	ered.	C 9P.M.	110	o	01	01	0	10	9	2	2	10	9	10	01	က	C1	10	10	67	C1	0	10	01	01	07	2	0	20	27	27 (21:	>	1 6.
CLOUDS.	10=covered.	7A.M. 2P.M. 9P.M.	110	x	0	01	5	9	10	5	9	01	00	10	01	.0	2	2	01	en	- 2	<u> </u>	2	07,	2,	07	<u>2</u>	0	0	9,	- 0	· cc	-	6. 6.
-	-	9 P. M. 7A	078 10	065 10	29.541	29.361 10	29.682 10	29.813 5	401 10	780 5	760 110	452 10	480 10	29.278 10	.225 10	29.484 8	709 0	456 5	28.901 10	29.257 3	0 619	0 677	617 10	01 096	01 687	29.567 10		29.378 2	~	973 10	2 816.	28.936 2	29.148 1	29.408
Erer	ed. to 3		393 29	13 29			578 29.	332 29	886 29.	735 29	728 29.	30 29	327 29.	270 29.	300 29.	333 29.	709 29.	29		201 29	66 29	03 29	14 29	97 29.	697 29.	107	-	-	67	200		28 28	.62 26	
BAROMETER.	Cor. and Red. to 32°.	7 A. M. 2 P. M.	29.515 29.5	8.798 28.		29.292 29.221	29.541 29.6	797	29.591 29.3	9.671 29.7	29.777 29.7	735	_	29.405 29.5	366	29.233 29.8	75.5		28	53	29.437 29.4	701		3	048 29.	29.715 29.0			67	200		28.921 28.8	29.013 29.0	29.418 29.058
		Mean.	34					6.4		32	33	-	37 2			24	-		23			- 1	36		400		88 7					65		31 2
	THERMOMETER.	9 г. м.	35	40	53	33	53	30	25	33	34	35	35	 	35	8	23	22	24	50	53	53	600	66	22.5	ري د ج	4.0	27 1	37	3	020	40	43	31
	HERMO	2 P. M.	35	49	Si	27.	Ç.	34	33	36	33	35	42	36	38	25	25	30	24	55	34	68	27.	38	88	24.5	40	8	40	27	ري د د	4 S	50	32
	L	7 A. M.	325	9	15	77	30	25	53	58	25	333	35	35,	35	30	13	18	55	55	19	7.7	25.0	25.5	2 .	200	3	25.0	20.	7 8	37	7 S	00	27
tth.	ays c	Di Stl		21	· ·	4	,C	9	-	00	6	10	Ξ	12	23	#	15.	9[17	2	13	200	7 6	77.7	27.7	7 7	25	97.0	77	200	33	98	10	ns,
, 8	, u.oo						(9						f	٦						(•							1	y				Means,

METEOROLOGICAL OBSERVATIONS-APRIL, 1867.

	REMARKS.		Cloudy and rainy.	Fair weather. [blos.	dand	Cloudless: crocus in hl.	Cloudy and rainy.	Fair weather	Fair weather.	Clondy	Clondless	Hoar , wein	Tazy, Iaili.	Fair weather.	Fair weat'r; frogs peep.	Fair wea'r; arbutus in bl.	Fair weather.	Cloudy.	Rain.	Rain : white manle in h	Fair weather	Poin month	. :	3	Cloudy. [mez'on in bl.	Shower; hail.	Fair weather.	Cloudy with snow.	Fair weather,	Fair weather.	Fair A. M. rain P. M.		Cloudy and mine	Bainy	·	
	Inches	Snow.	1	1	1	1	ı	1	ı	1	ı	1	ı	ı	ı	1	1	1	ı	1	1				1	ı	1	1	1	i	i	1	1	1		1
SNOW.	Inches	Melted Snow.	.30	1	1	i	.30	1	ı	ı	ı	ı	00	00.	ı	1	ı	ı	1	.64	1		1	00		800	1 8	07.	1	ı	.14	1	1	ī	Ì	2.56
RAIN AND SNOW.	Hour		4 p. m.	ı	1	1	6 p. m.	, 1	1	,	,		2	o a. III.	1	ı	i	1	i	12 p. m.	, 1				4 a. III.	. P. m.		6 p. m.	1	ı	5 p. m.	, 1	1	1		int,
RA	Hour	Began.	10 a. m.	1	1	ı	10 a. m.	ı	1	1	ı	5 n. m.		ı	ı	ı	1	1	6 a. m.	1	ı	1	1	0 20	. p. m.	o p. m.	1	12 m.	ı	1	2 p. m.	, 1	4 n.m.	1		Amount,
	orce.	9 P. M.		Z.	N. W.	N. W.	z z	N. W.	S. W.	S. W.	S. W.	S. W.	M		· A	ż	. N	S. W.	S. W.	z E	N.W.	M	A	AL IN		·	÷	i.	N. W.	s.	N. W.	ż	M	N.		
WIND.	Direction and Force.	2 P. M.	N.	N.	×.	N. W.	N. E.	N.W.	N. W.	S. W.	N. W.	S. W.	AT N			1		· M·	S. W.	z E	N. W.	N. W.	N	M	A11.	11.		, i	. W.	ď.		H H		Z E		
	Direc	7 A. M.	N.W.	× i	×.	Z.	N.W.	N. W.	N.W.	Μ.	N.W.	S. W.	M	M	1	ir ir	i:	Z.	S. W.	N. E.	N. W.	z	N. W.	2	. M. S	, i		. K	Z.	×	si Si	ż	Z. E	Z.		
DS.	ered.	. 9P. M.	10	- ,		٥,	10	27	5	00	0	10	-	1 14	> -	٠,٠	77.	2;	01	10	0	0	00	c	1 0	20	2	30	77 (.71	-	_	10	10	Ţ	4.
CLOUDS.	10=covered.	.M. 2P.M	010	200	7	0	01	e0	9	∞ —	0	01	2	-	10	0 0	9 0	200	01	07	27	-2	9	00	000	000	2	2		ا	2	ლ 	× ×	01	+	4. 5.
л.	. 32°.	9 P. M. [7A.M. 2P.M. 9P.M.	9.867	00.00 00.00	9.693	9.242	8.853 1	9.265	9.399 10	9.279 10	9.528	9.044	9.197	04 149	25.00	10000	100.00	39.301	29.021 11	39.194 II	23.455	29.535	9.328	29.214	8889	00 510	10.00	0.000	11 600.67	59.503	9.365	9.554	9.549	9.333 10	1	_
BAROMETER.	Cor. and Red. to 32°.	2 P. M.	29.863 2	706.82	29.409 2	29.032 2	28.838	29.010.52	29.231	29.273	29.493 2	29.239 2	28.998	20 187	90 295 0	000.00	000000	_		29.039	_	29.491	29.447	29.156		99 399 6	00 620		-	29.000	29.274	29.556 [2	29.643 2	29.427 2	İ	29.398
BAE	Cor. an	7 A. M. 2 P. M.	29.067	28.970	29.6/3	7/0.67					_	100	28.850	99 973	965	20.70			_	-			29.502	29.124	_						_			29.564	Ī	29.417 29.398 29.360
		Mean.	99	40	4 .	7.5	1 2	£ .	47	54	47	48	46	48	7	10	2 4	95	70	60	46	48	49	55	53	44	36	3 0	0 0	00	43	40	43	52		46
METER	are rea	9 P. M.	40	1,7	# 9	64.	40	85	47	GG.	45	48	42	4.5	30	3 4	0 4	9 9	00	7.7	7.5	47	48	51	55	41	1.	202	7 6	74	40	40	43	53	1	45
dawayOydaHib	nekar	2 P. M.	41	07	0 1	10	40	47.	96	3	55	99	53	26	46	10	60	60	99	40	49	29	99	22	. 59	50	37	, r.	# 00	700	40	48	90	69	1	25
Ė	1			14.0	200	Ç 9	94°	70	65	1:	4	40	44	39	8	88	3 =	1 1	70	0,1	4.	94	44	52	45	49.	30	000	۶ ۲	1,	41	25	35	43	1	41
10	sys om s	ту I	70	4 5	0 7	4 7	0 0	01	- 0	x 0	ი ;	2	Ξ	12	Ġ	12	1 1	2 2	12	_			20	21	22	23	6	1 6	200	35	77	22	67.	08 -		Means,
	loor sed				(0							٤	1						(9								۶	7					1;	Me

FTEOROLOGICAL OBSERVATIONS-MAY, 1867.

	REMARKS.		Cloudy and rainy.	Fair weather; tulips and	Fair weather, [dan, in bi.	Fair weat'r; aurora 9p.m.	fair weather.	Cloudy.	Cloudy.	Rainy.	Rainy.	Fair weat'r; violet in bl.	'air weather.	air w'r; sh. b. & fever b.	Fair wea'r; peach, wild	tainy weather. [cherry.	fair weather.	Fair weather.	Cloudy and rainy.	Fair wea'r; Miss. curr't	Pair weather. [in bl.	Rain; cherry in bloss.	Cloudy.	Cloudy and rainy.	Fair weat'r; p. jap. in bl.	fair weather.	Fair w'r; fl'g, alm'd and	Rainy weat'r. [app. in bl.	fair weather.	Fair; leatherwood in bl.	tainy.	Cloudy; jessami in blos.	Cl'dy; fair p.m. au.9 p.m.	
	Inches	Snow.	1	1	ī	1	ì	0 -) 	-	1	1	<u> </u>	1	1	1	1	1	1	1	1	1	0	1	1	1	1	-	1	1	- E	1	1	1
SNOW.		Melted Snow.	1.03	1	1	1	1	1	1	ı	1.42	1	ı	1	1	96.	1	1	1	75.	1	.12	1	1	.23	1	ı	1	.73	1	.20	ı	ı	4.91
RAIN AND SNOW	Hour	Ended.	12 p. m.	1	1	1	1	1	1	1	6 p. m.	, 1	1	1	1	2 p. m.	. 1	1	ı	2 a. m.	ı	p. m.	. 1	1	4 a. m.	1	ı	1	4 a. m.	1	2 p.	, 1	1	int.
RA	Hour	Began.	-	1	ı	1	1	1	1	3 a. m.	1	t	1	1	10 p. m	. 1	ı	1	34 p. m.	1 8	1	6 a. m.	1	10 a. m.	ı	1	10g p.m.	. 1	1	10g p.m.		1	1	Amount.
	orce.	9 P. M.	S. W.	N. W.	ż	z. E	S. W.	N. W.	z. E	N. E.	N. W.	N. W.	N. W.	N. W.	S. W.	N. E.	S. W.	N. W.	S. W. 8	N.W.	S. W.	W.	N. E.	_	N. W.	N. W.	S. W.	S. W.	N. W.	W.	N. E.	N. W.	N. W.	
WIND.	Direction and Force.	2 P. M.	S. W.	Z.	ż	N.E.	N. W.	N. W.	zi Zi	z E	N. W.	N. W.	W. W.	N. W.	S. W.	N Z	S. W.	N. W.	S. W.	N. N.	ri Z	W.	zi.	zi Zi	N. W.	N. W.		S. W.			N. E.	N. W.	N. W.	
	Direc	7 A. M.	N. E.	N. W.	z z	ri Z	Z	N. W.	ż	E Z	E	N. W.	N. V.	> >	N	Z	Z	N. W.	N. W.	Z W	Z	S. W.	E Z	Z.	E Z	N. W.	N. W.	S. W.	N. W.	Ä	Z	Z Z	ż	
v;	ed.	9г.м.	101	0	_	0	9	101	10	10	67	140	0	0	10	10	0	0	10	000	10	00	10	10	es	-	6	10	_	00	10	00	_	10
CLOUDS.	10=covered.	7.A.M. 2P.M. 9P.M.	10	C.1	_	-	σ.	c	9	10	10	S	2	67	9	10	01	00	10	10	5	10	10	10	ಣ	က	က	10		C1	10	œ	ಣ	9
o _	10	7.7.31	10	0	C1	0	00	110	10	10	10	2	07	ତୀ	0	10	10	67	5	5	-	10	တ	10	10	2	0	10	0	্য	011	0	0.	1 60
TH.	Cor. and Red. to 32°.	7. м. д. в. м. 9 г. м.	29.745	59.248	29.799	29.762	29.521	29,386	29,186	29.783	28.982	29.159	29.256	29.391	29,269	29.002	28.981	29,194	29.206	29.374	29,414	29,289	29,200	29,019	29.136	29.371	29.447	29.263	29.487	29.37	29,332	29.203	29.388	99.338
BAROMETER.	Red. t	, M.	.89.5	336	728	.796	535	412	218	845	787	023	173	986	978	981	923	.053	1961.	. 686	401	296	.318	.984	810	263	177	255	383	.391	311	238	248	99 937
RARO	and]	13	11 28	2 29	758 29	853 29	8 29	29	7 29	9 98	50.08	67 61	66 10	66 +8	65	23	002 28	049 29	949 29	100	51	32 29	305 29	28 28 28	052 29	229 29	01 29	38 29	384 29	482 29	318 29	21 29	01 29	06 60
-	Cor	_	199.091	29.21	29.7	29.8	29.67	29, 459	29.31	28.949	28.70	29.049	29.204	99.984	28.4	28.04				99.304	29,451	29.3(29.30	29.0	20.0	20.5	29.49	29.28	29.3	29.4	29.3	29.3	29.2	29.509
	rå.	Mean.	58	48	27 7	4:3	47	55	15	52	200	13	35	22.00	2 ± C	52	rc +	100	500	3 23	33.	62	19	49	55	55	50	62	63	89	69	63	09	57
	METER.	9 P. M.	58	43	38	38	46	2.5	20	50	2.5	200	25.5	200	515	50	533	55	500	5.5	55	55	200	47	53	53	58	09	65	67	, 55	63	59	59.
	THERMO	2 P. M.	50	55	50	50	10	3 5	1 5	57	4 15	909	15	57	38	200	500	C9	57	3.6	57	5 70	62	50	3	09	69	99	20	75	63	1	99 ·	59
	T	7 A. M.	50	45	37	38	7	115	200	67	97	202	27	1 65	17	50	6#	50	5.	2.5	67	51	67	51	67	51	50	09	99	19	09	56	56	59
.ili	HOU O SA	net tailt	-	ଦୀ	000	7	140	ص در	t	- 00	0 0	10	=	10.	100	7 +	20	16	17	05	19	65	10	66	121	75	255	26	27	58	99	30	31	l su
	sassi sou,					0)					F	1							0)							U						Means

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METEOROLOGICAL OBSERVATIONS-JUNE, 1867.

	REMARKS.		Fair w'r. [honeysu. in bl.	Fair a.m.; rain p.m. tart.	Showery; lilac in bloss.	Fair weather.	Fair weather.	Fair weather. [lilac in bl.	Fair a.m.; c'y p.m., pers.	Cloudy all day.	Fair weather.	Cl'y & r'ny; narcissus bl.	Showery all day.	Rainy all day.	Fair weather.	Hazy all day.	Cloudy and showery.	Fair we'r; Scotch rose bl.	Fair weather.	Cloudy and rainy.	Cloudy and rainy.	Fair weather.	Rain.	Cloudy A.M.; fair P.M.;	Fair weather.	Fair weather.								
	Inches	Snow.	1	1	1	1	ı	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	ı	1	1	1	1	1	1	1	1	ı] 1	
SNOW.	Inches Rain &	Melted Snow.	1	1	02:	1	1	1	ι	ı	1	ı	ı	ı	1	1	1	1	ı	5.00	1	ı	.42	1	ı	ı	.10	1	.10	1	ı	1	3 39	20.5
RAIN AND SNOW	Hour	Ended.	1	1	p. m.	, 1	1	1	ı	1	,	ı	1	1	1	1	1	1	1	2 p. m.	1	ı	p. m.	, ,	ı	1	p. m.	. 1	p. m.	1	ı	1	İ.	11,
RAD	Hour	Began. 1	-	p. m.	12	1	1	1	1	1	1	1	1	1	 -	1	1	p. m.	1	- 12	1	1	p. m. 7	, 1	1	p. m.	112	1	a. m. 12	ı	1	1	Amount	PALLED WA
			W.	W. 9	W.	W.		٠.	된.	E.	ei Ei	Ħ.		Α.		ei ei	W.	W. 5	₩.	٨.	W.	E.	W. 5		₩.	E. 9	E E	ei ei	E.	۳.	ei Ei	٧.	<u> </u> 	
	Porec.	. 9 P. M.	-	-	ń	. •	1	_	υż	z	ż	ż	'n	ŝ	ďΩ	z				_		_		-		_			N.E.					
WIND	Direction and Foree.	2 P. M.	W.W	S. W.	S. W.	N. W	W.	W.	S. W.	z z	N N	z Z	₩.	S. W	S. W.	N. E.	S. W.	S. W.	E E	S. W.	N.W	Z.E.	Z. E	<u>`</u>	S. W.	N.E	z E	N.E.	N.	S. W	Z.E	S. W.		
	Direc	7 A. M.	N. W.	S. W.	S.W.	N. W.	Μ.	W.	S. W.	N. E.	N.E.	N. Ei	<u>/</u>	S. W.	S. W.	z. E	N. E.	S. W.	S. W.	S. W.	N. W.	z	N.E.	S. W.	S. W.	S. W.	N.E.		N.E.	S. W.	N.E.	S. W.		
Š.	red.	9Р.М.	-	10	10	0	_	5	10	_ ი	0	6	_	00	c1	2	10	01	21	01	0	6	60	c1	∞	01	10	∞	20	0	-	2	10	5
CLOUDS.	10=covered.	7A.M. 2P.M. 9P.M.	1	5	10	00	য	က	4	01	27	-	က	က	က	2	ō	6	10	10	0	∞	4	2	_	ಣ	10	_	10	6	_	2	4	ř
0			3 1	1	01 (2	0	23	1 2	8	8	0	2	9	2	0 1	2	ල ස	01 1	3 10	ဆ	1	8	1	8	8	2 10	5	01 9	3 10	2	3	10	.
ER.	to 32°,	9 Р. м	29.468	29.32	29.02	29.26	29.39	29.34	29.39	29.51	29.52	29.61	29.56	29.37	29.41	29.52	29.41	29.433	29.48	29.38	29.53	29.59	29.55	29.59	29.43	29.39	29.512	29.586	29.34	29.38	29.41	29.10	90 43	40.10
BAROMETER.	Cor. and Red. to 32°.	2 P. M.	29.453	29.391	29.042	29.135	29.338	29.352	29.322	29.472	29.437	29.625	29.576	29.396	29.315	29.485	29.428	29.380	29.478	29.393	29.468	29.558	29.560	29.563	29.453	29.545	29.436	29.526	29.389	29.224	29.443	29,180	99 419 99 430	771.07
BAI	Cor. an	7 A. M. 2 P. M. 9 P. M.	29.485		29 209	29.073	99.358	29.474	29.340	29.472	29.453	29.603	29.617	29.525	29.365	29.498	29.504	29 393	29.481	29.466	29.426	29.560	29.580	29.594	29.560	29.396	29.496	29.512	29.460	29.341	29.484	29.325	00 451	
	~ :	Mean.	65	979	67	99	800	75	127	22	99	69	99	65	73	69	70	72	20	20	99	69	89	89	69	71	09	64	63	73	20	74	88	00
) NETE	9 P. M.	65	69	99	9	67	72	61	53	52	28	65	99	71	64	69	20	67	69	† 9	69	79	99	20	65	59	61	79	20	67	75	6.5	00
	fiiermometer.	2 Р. М.	7.3	2.2	22	12	7.5	2 %	852	09	63	99	74	72	8	77	75	78	72	74°	72	22	75	92	9/	08	19	69	65	81	77	81	7.0	6)
	2	7 A. M.	56	20	3 3	9.5	69	19	69	59	52	10) E	200	99	67	65	69	70	89	63	64	65	63	19	89	5	62	59	69	29	65	6.5	00
·ų;	nom o syı	the Da	-	. 0.	1 00	4	H NG	<i>و</i>	-10	00	6.	10	=	12	_ cc	14	15	16	17	18	19	20	21	22	23	24	25	26	27	58	29	30		ns,
	səsei səsei			(0						6	+							0)							b	1					M	Means,

METEOROLOGICAL OBSERVATIONS—JULY, 1867.

	REMARKS.		Fair weather.	Fair weather.	Fair weather.	Fair A.M.; showers P.M.	Cloudy and rainy.	Rainy A.M.; cloudy P.M.	Fair weather.	Fair weather.	Cloudy and rainy.	Fair weather; showers.	Fair weather.	Cloudy A. M.; rainy P.M.	Cloudy A.M.; fair P.M.	Fair weather.	Fair weather.	Fair weather.	Fair A. M.; rain P. M.	Cloudy and rainy P. M.	Showers.	Rainy all day.	Rainy all day.	Cloudy A. M.	Fair and cloudless.	Fair and cloudless.	Fair A. M.; rain F. M.	Showers all day.	Cloudy.	Cloudy; fair F.M.	Cloudy and fair.	Fair weather.	Fair weather.	
	Inches Inches	Snow.	1	1	1	1	1	1	ı	1	1	1	ı	1	1	1	1	1	i	i	ı	i	1	ı	ı	1	ı	ı	i	ı	1	1	ı	1
SNOW.	Inches Rain &	Melted Snow.	1	i	ı	i	1	.46	ı	ı	1	52	1	1	.62	1	1	1	1	ı	1	1	1	1.16	1	ı	ı	02.	1	18	02.	ı	ı	3,36
RAIN AND SNOW.	Hour	Ended.	1	ı	1	ı	ı	12 m.	ı	ı	1	4 a. m.	1	ı	5 a. m.	1	1	1	1	1	1	ı	1	4 a. m.	ı	i		3½ p. m.			6 p. m.	1	ı	ınt,
RA	Hour	Began.	1	ı	į	35 p. m.		i	ı	ı	9 p. m.	ı	1	12 m.	1	1	1	1	ı	73 p. m.	. 1	1	1	ı	ı	1	3½ p. m.	1	ı	1	5 p. m.	ı	ı	Amount,
	Force.	9 г. м.	N. W.					S. W.		N.W.					Z. E.							z E			E N							ž;	N.E.	
WIND.	Direction and Force.	2 P. M.	N.W.	N.W.	N. W.	N.W.	N.E.	N.E.	N.W.	N.W.	z Z	z E	S. W.	S. W.	ż	Z. E.	S. W.	S. W.	×. W.	N. W.	z. E	Z. E.	N. E	N.	Z Z	× ;		A I	ei Z	×.	s:	Z;	E	
	Dhre	7 A. M.	S. W.	E Z	N.W.	S. W.	Z E	N.E.	N.W.	z. W.	z z	z. E	S. W.	S. W.	z E	z X	zi Zi	N. W.	N. W.				N.E.	×. ×.	N.W.	· !	· Z	S. W.	z E	s. W.	S.	N.	ż —	
DS.	ered.	г. 9Р.м	2	0	C.I	10	10	10	ಣ	9	9	5	C)	2	_	0	0	2	_	10	9	10	10	c1	0	0	<u> </u>	ಣ	10	0	0	210	<u> </u>	4
CLOUDS.	10=covered.	7A.M. 2P.M. 9P.M.	0	-2	4	ō	10	10	63	9	4	5	7	10	က	2	67	4	9	00	10	01	01	20	0	0	3	0	0.0	9	G (27 1	<u>۔</u>	. 5.
-		9 P. M. 7A.	29.300 3	305 0	274 0	29.250 5	29.401 10	185 10	29 244 2	29.350 5	29.298 2	29.470 4	$29.310 \mid 8$	392 8	29.544 10	29.613 0	29.455 0	29.373 0	29.451 2	472 8	29.375 10	29.218 10	29.118 10	29.203 10	29.357 0	29.207 0	29.192 5	320 10	396 10	172 10	372 8	29.498 0	609	29.345 5.
BAROMETER.	Cor. and Red. to 32°.	2 P. M. 9 1	29.180 29.		80	29.169 29	0.5	29.258 29.		342	322	01	29.340 29	9.235 29.	456			-			390	278	~	20	307	569	159	9.195 29	29.431 29	272 29	9.174 29	9.441 29	9.585 29	29.643 29
BARC	Cor. and	7 A. M. 2	29.117 29	29.358 29	29.325 28	29.175	29.325 29.	29.323 26			29.400 29.	29.400 29	29.448 28	29.245 29	29.404 29	29.540 28	29.584 26	29.404 26	29,424 29	29.454 29		29.338 29.	29,089 29		29.261 29	29.345 29.	29.217,29			29.358 29	20.180	29.417 28	29.620	29.334 26
	نہ	Mean.	73	75	7.5	77	63	69	77	7.5	69	69	7	71	79	-	2	69	29	6.5	62	59	58	9	75	92	9/	99	89	26	7.	99	1 9	69
	fhermometer.	9 P. M.	99	9/	75	7.1	61	73	7.5	70	99	89	69	70	63	29	89	99	1 9	58	09	29	59	1 9	71	3	69	65	89	2,00	2.5	1 9	09	67
	THERM	2 P. M.	62	22	87	88	19	7.5	84	22	92	92	28	73	202	1.	77	7.5	74	29	67	09	09	69	46	98	***	65	67	8	22	27	7.5	92
		7 A. M.	75	† 9	69	7.2	19	62	73	02	6.5	63	65	20	09	62	65	65	65	61	99	58	55	99	65	89	92	89	63	2	92	61	09	65
th.	mon the o	the salt	-	22	က	4	r.	9	1	90	6	10	Ξ	12	13	14	15	16	17	18	19	20	12	22	53	7.7	52	56	27	23	88	200	31	ns,
*1	oon,	ld IV	0)						A							1	0)							Y					(9		Means,

METEOROLOGICAL OBSERVATIONS-AUGUST, 1866.

sos uo				_		BAROMETER.	_									-	
Λ.		THERMO	OMETER.	-	Cor. and	Cor. and Red. to 32°.	1	10=covered.	red.	Dire	Direction and Force.	Force.	Hour	Hour	Inches Rain &	Inches	REMARKS.
Da	TA. M.	2 P. M.	9 P. M. M	Mean.	7 A. M. 2	7 A. M. 2 P. M. 9 P. M. 7A.M. 2P.M. 9P.M.	м. 7А.	м. 2р.м	9P.M.	7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Melted Snow.	Snow	
-	- -	1 29	-		1		6 811	110	8	zi Zi	Z.E.	Z.		1	1	1	Cloudy.
-		67		- 4	29.254 2	29.218 29.104		10	10	z E	z Z		2 a. m	1	1 6	'	Cloudy and rainy.
-		67	_	67 2	29.341 2	29.398 29.444	144 10	10	ဘ	S. W.	N. W.	Ż.W.	i	6 p. m	3.10	1	Cloudy and rainy.
4		92	_		29.559 2	29.555 $^{1}29.558$	558 0	ಯ	5	N. W.	W.	S. W.	ı	1	1	1	Fair weather.
•6,		77	_		-		573 2	C)	63	S. W.	S. W.	S. W.	ı	1	1	1	Fair weather.
		- 52	_	-			580	rc	000	S. W.	N	S. W.	1	i	1	1	Fair weather.
	25	28	25.0	757			540 9	000	60	S. W.	E	S. W.	5½ p. m.	64 p. m.	.34	1	Fair A.M.; shower P.M.
- o		88	1.5				065	9	GT	N. W.	S. W.	S. W.	, 1		1	1	Fair weather.
		38	7.3	74		29 500 29 513	513	10	ı va	N S	N	N. W.	1	1	1	1	Fair weather.
-		28	- 09		_		131	000	2	S	S	S	4 p. m.	5 p. m	.28	1	Fair A.M.; shower P.M.
		7.0	3.5	60			29.504 3	0	0	N. W.	N. V.	N. W.	1	. 1	1	1	Fair weather.
-	_	74	67	_			391 0	0	0	N.W.	N. W.	S. W.	ı	1	1	1	Clear.
7 5	99	73	. 69	09			29.262	6	10	S. W.	S	S. W.	1	ı	1	1	Fair A.M.; cloudy P.M.
7	_	74	73.0				9.385 10	6	10	S. W.	S. W.	S. W.	2, p. m.	1	1	ı	Heavy rain all day.
0		73	9	7.7		i est	491 10	6	10	S. W.	N	N.		,	1	1	Heavy rain all day.
_	_	67	200		_	29	232 10	10	01	Z.	N. E	N.	1	1	1	1	Heavy rain all day.
		73	20.			29	132 8	တ	ଦୀ	S.E.		S. W.	ı	6 p.m	4.81	1	Heavy rain all day.
-	_	500	77	-		29.269 29.	314 0	0	5	N. W.	S. W.	S. W.	!	1	1	1	Fair weather.
1 =		55	74	75		29.319 29.	342 5	5	0	S. W.	S. W.	S. W.	}	1	1	ı	Fair weather; rainbow.
100	_	72	89	69	and the same	388 29	393 3	6	ō	S. W.	S. W.	N.W.	1	ì	1	1	Fair weather.
2		282	69		29.409 2	9.350 29.	9.362 5	4	େ	N.W.	N.W.	N. W.	1	ı	1	1	Fair weather.
2		02	64	67	29.406 2	9.385 29.	29.405 10	10	10	N. W.	Z.	z. E	23 p. m.	1	1	1	Cloudy A.M.; rain P.M.
-		65	62	.,	-	29.265 29.	.253 10	10	10	Z.E	N.E.	Z Z	1	ì	1	1	Rainy all day.
2		11	29	_	29.266 2	29.207 29.	272 0	C1	23	Ä.	N.W.	N. W.	1	2 a. m	1.54	1	Fair A.M.; shower P.M.
2		72	65			29.407 29.	485 0	0	0	N.W.	N. W.	N. W.	3	1	1	1	Clear.
2		77	89	69	29.567	29.508 29.	29.551 0	0.	2	N.W.	N.W.	N.W.	ı	1	ı	1	Fair weather.
2		92	99		29.496 2	29,453 29,441	141 2	_	01	N.W.	ż	N.W.	ì	t	1	1	Fair weather.
2		78	72		29.378 2	29,302 29.	29.302 5	. 5	9	S. W.	N.W.	S. W.	1	ı	1	1	Fair weather.
200	_	73	67		29.190 2	9.197 29.230	230 8	10	2	S. W.	S. W.	N. W.	8g a. m.	3 p. m.	.72	ı	Cloudy and rainy.
_		67	22	62	29.256 2	29.370 29.	29.518 8	ಣ	0	S. W.	N.W.	N.W.	1	ı	1	1	Fair weather.
ಣ		29	22		29.621 2	29.556 29.	29.495 0		H	N. W.	S. W.	S. W.	1	1	' 	i	Fair weather.
100	68	147	89	99	6 067 06	99 354 99 499	499	14	4				Amount.	unt.	10.79		
меапз,	-	T	- 00	-		J.00 I 20.	- 11	-	-								

METEOROLOGICAL OBSERVATIONS—SEPTEMBER, 1867.

	REMARKS.		Slight rain.			Slight rain.					Drizzly.			•	Lightning in the eve.					Lightning and thunder.	Aurora Borcalis, 9 F.M.	Aurora Borcalis.	i	Aurora Borealis.		Sliight frost; hazy.	Hail.	Aurora Borealis, 10 P.M.			Cloudy.	Slight flurry of snow.		
	Inches	Snow.	1	ı	ı	ı	ı	ì	ı	ı	ſ	ı	ı	1	ı	ı	ı	ı	ı	ı	1	ī	1	1	ı	ı	ı	ı	1	í	ı	ı	1	
NOW.		McIte	7	1	ı	ı	ı	1.29	ı	1	1	ı	1	1	 [:	1	ı	ı	1 7	70.	90.	1	ı	ı	1	ı	.17	1	ı	ı	1	.33	1 97	1.01
RAIN AND SNOW.	Hour 1	Ended. N	-	1	1	1	1	a. m.	1	1	1	1	1	1	p.m.	ı	1	1		a. m.	a. m.	1	1	1	ı	ı	p. m.	ı	1	1	ı	a. m	-	
MIV	II	En	_			_		9		_	_	_	_		113	_	_	_		- (72	_	_		_		2		_				Amount	Oane
н	Hour	Began.	ſ	ī	ı	ı	2.45 a.m.	3	1	1	ı	ı	1	1	10½ p.m.	ı	t	1	11 p. m.	10 p. m.	ł	I	I	1	1		3 p. m.	1	1	1	1	34 a. m. 11	A ro	UV
	orce.	9 P. M.	N. W.	S. W.	ri ri	S. W.	S. W.		ż	Z.E.	Z.E.	ż	S. W.	S. W.	ŝ	Zi.	Z E	=	ı	S.	S. W.		zi Zi	S. W.	ż	S. W.	ż	N. W.	S. W.	S. W.	κÿ	N. W.		
WIND.	Direction and Force.	2 P. M.	N.E.	N.W.	N.E.	S. W.	ঘ	S. W.	Z, E,	Z.	N.E.	N. W.	N. W.	S. W.	S. W.	E E	ei Si		zi Zi	S. W.	ı	S. W.	z, E,	<u>M</u>	ż	ņ	N. W.	N. W.	W.	N.W.	S. W.	ż		
	Direc	7 A. M.	S.	ż	E Z	S. W.	Z.E.	υż	S. W.	Z.	Z.E	Ä	ż	S. W.	S. W.	ż	ż	'n	1	1	ż	S. W.	ż	t		Z. W.	S. W.			W.	S. W.	ż		
.80	red.	9г.ж.		5	10	7	10	က	6	10	10	2	0	0	9	0	0	ဘ	20	ဘ	0	10	01	0	0	0	10	0	0	0	က	0	-	- ;;
CLOUDS.	10=covered.	1. 2P.M	120	00	ಣ	7	10	9	10	63	10	တ	_	_	C.1		21	10	110	ಣ	<u>С</u>	ಣ	G	G	0	7	10	67	0	-	_	6	LC.	5
_		7.33	10	3	3 10	3 10	3 10	3 10	0113	1	01 (01 (0 0	0 /	9	0	7	5 10	22	3 10	0	ç2 ~	5	Н	0	0	8	7	0	0	-1	10	10	
PER.	Cor. and Red. to 32°.	9 r. M	29.214 29.217	29,544	29.528		29.478	29.468	29 624		29.419	29.318	29,505	29.47	29.184	29.695	29.75	29.57	29.67	29.438	29.562	29.353	29.512	29.367	29.77	29.657	29.250	29.353	29.365	29.317	29.038	29.	691.00	
BAROMETER.	nd Red.	2 P. M.	29.214	29,491	29.531	29.430	29.516	29.406	29,546	29,727	29,489	29.228	29.507	29.404	29.164	29.539	29.781	29.631	29.610	29.497	29.521	29.411	29.481	29.389	29,667	29.733	29,246	29.312	29.352	29.329	29.085	29,165	90 417	757.77
BA	Cor. a	Mean, 7 A. M. 2 P. M. 9 P. M. 7A.M. 2P.M. 9P.M.	29,330	29,425	29,569	29.489	29.514	99,481	29,456	99 758	29.615	29,259	29.511	29.483	29.345	29,457	29,833	29.748	29.574	29.646	29.451	29.545	29.482	29.481	29.583	29.754	29,415	29.331	29.391	29.378	29.235	29.109	001 00	
	بن	Mean.		1 9	67	69	67	68	67	: 22	19	6.5	99	59	29	56	53	59	99	7.0	99	29	62	58	50	52	59	53	56	53	9	4.3		01
	METE	9 P. M.	09	65	65	02	. 33	89	150	3 5	19	19	55	50	69	51	51	63	63	75	99	02	58	09	46	5.4	59	49	55	550	62	40	000	200
	THERMOMETER.	2 P. M.	63	69	6	17	: 25	3 [3	2 6	36	1:9	7.1	:33	67	19	63	61	‡ 9	ૄ	11	29	7.	89	65	58	79	. 99	59	99	89	133	46	00	00
	H	7 A. M.	57	9	13	3 12	25	3:3	8	3.5	57	65	312	510	5è	55	47	51	1-9	63	27	59	09	50	47	40	1.0	52	000	3	57	4.4	S. I	90
di.	nou	B(I 9111		0	100) -	110	9 00	10	- x) G.	2	=	2	133	14	15	16	17	18	19	20	21	22	23	ţ	25	96	27	86	66	308		ans,
	ន១៩២ ខ្លួលពេក្រ						A	١							0)						U							0)			1	Means

WEATHER AND WIND, 1866-7:

WEATHER AND WIND.	October	October, November, December, January.	December.	January.	February. March.	March.	April.	May.	June.	July.	August.	August. Septemb'r.	Total.
Number of days clear,	4.	H	හෙ	1	1	Н	63	0	0	C1	61	63	19
Number of days cloudy,	27	20	28	30	27	30	28	31	30	29	29	28	346
Number of days rainy,	9	6	12	10	13	14	12	15	0	16	12	10	138
Number of days N. wind,	5	Ð	e 5	11	4	4	9	က	Н	67	7	11	99
Number of days N. W. wind,	13	15	21	23	16	16	18	17	က	13	18	10	183
Number of days W. wind,	п	9	4	-	ð	0	67	67	#	7	Ħ	67	58
Number of days S. W. wind,	9	7	8	61	10	1	6	~	16	17	20	19	122
Number of days S. wind,	0	හ	0	0	Ħ	0	63	0	0	0	0	\$	14
Number of days S. E. wind,		7	67	0	н	0	1	0	П	0	-	н	6
Number of days E. wind,	-	П	1	0	H	0	0	0	0	0	0	က	-1
Number of days N. E. wind,	75	9	9	10	6	18	6	15	13	16	8	10	135
				1	-								-

REMARKS.

By clear days is meant days entirely clear; i. e., no cloud whatever being visible. By rainy days, that more or less rain (or snow) fell, without any reference to quantity.

SUMMARY OF METEOROLOGICAL OBSERVATIONS, 1866-7.

AVERAGE FOR		October.	November, January. February.	December.	January.	February.	March.	April.	May.	June.	July.	August.	Septem'r.	Year.
	(7 А. Ж	46	40	25	14	25	27	41	52	63	65	99	99	43
Ē	2 P. M.	58	48	32	23	37	32	52	69	73	92	74	99	52
Thermometer,	9 P. M.	48	42	27	19	32	31	45	52	65	29	89	09	46
	daily,	19	43	28	19	31	30	46	54	99	69	69	19	47
	(7 A. M.	29.560	29.616	29.345	29.184	29.428	29.418	29.417	29.502	29.451	29.334	29.429	29.488	29.431
f	2 P. M.	29.498	29.393	29.346	29.140	29.418	29.381	29.398	29.237	29.412	29.643	29.354	29.447	29.389
Barometer,	9 P. M.	29.491	29.614	29.659	29.178	29.446	29.408	29.360	29.338	29.430	29.345	29.422	29.462	29,429
	daily,	29.516	29.541	29.450	29.167	29,431	29.402	29.392	29,359	29.431	29.441	29.405	29.466	29.416
	(7 A. M.	4.	4;	4.	4.	٠,	.9	4.	5.	4;	٠,	4.	ņ	5
	2 P. M.	4.	4.	4.	5.	6.	6.	5.	6.	4.	ő.		٠.٠	5.
Cloudiness,	9 P. M.	ຄຈໍ	4.	4.	4.	5.	.0	4.	٠ċ	5.	4.	4.	₩;	4.
	daily,	4.	7	4.	4.	٠,	.9	4;	6.	4.	ő.	4.	5.	5.
Inches Rain and Snow	Water,	2.37	2.51	3.73	5.16	4.42	4.40	2.56	4.91	3.32	3.36	10.79	1.97	49.50
" Snow,		1,		15	44	9.5	22	ı	ı	3	ı	1	ı	9.05

and Snow registered at the State Lunatic Hospital, Worcester, Mass., for Twenty-Seven Years.

1	wons.	82.50 440.00 470.00 559. 571. 572. 5	19:
TOTAL.	Inches	2849626411444564145788888888888884144444444444444444444	55.63
TOJ	Inches Rain.	4.5.5.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	46.83
TBER.	Inches Snow.	6.25.25.25.25.25.25.25.25.25.25.25.25.25.	12.70
DECEMBER.	Inches Rain.		102.30
IBER.	Inches Snow.	10. 2. 2. 50. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	61.12 2.35
November	Inches Rain.		4.13
BER.	Inches Snow.	111111111111111111111111111111111111111	4 7
OCTOBER.	Inches Rain.		4.07
SEPT.	Inches Rain.	7.67.623.02.62.62.62.62.62.62.62.62.62.62.62.62.62	95.24 3.56
AUG.	Inches Kain.	101.1974.93899999999999999999999999999999999999	138.86
July.	Inches Rain.	29.30.30.30.30.30.30.30.30.30.30.30.30.30.	108.09
JONE.	Inches Rain.	29. 44 1.52 1.191 1.22 1.12 1.22 1.22 1.22 1.23 1.23 1.2	87.25
MAY.	Inches Rain.	8.8.2.2.8.6.6.6.7.4.8.6.6.6.6.7.8.8.8.8.8.8.8.8.8.8.8.8.8.8	114.54 4.24
il.	Inches Snow.	6. 100. 100. 100. 100. 100. 100. 100. 10	4.11
APRIL	Inches Rain.	6.55 6.55	107.65
MARCH.	Inches Snow.	20. 4. 4. 10. 10. 20. 11. 11. 11. 12. 11. 12. 11. 12. 11. 12. 11. 13. 14. 15. 11. 16. 16. 17. 18. 19. 19. 19. 19. 19. 19. 19. 19	279.25 10.34
	Inches Rain.	######################################	94.71
JARY.	Inches Snow.	15. 20. 20. 20. 20. 20. 20. 20. 20. 20. 20	315.10 11.67
FEBRUARY	Inches Rain.	. 4441994411.0.4986241991102110214 85144100810881048849102108444844	85.12
ART.	Inches Snow.	25.50 12.50 12.50 13.50 14.50 10	386.50 14.31
JAND	Inches Rain.	411.04.04.09.00.00.00.00.00.00.00.00.00.00.00.00.	104.70 3.88
			: :
	YEAR.	1841, 1842, 1842, 1843, 1844, 1844, 1844, 1850, 1851, 1853, 1854, 1854, 1856,	Sums, Means,

Flowering Season on Hospital Hill for Twenty-Nine Years.

1853.	18 May 15 17 Apr. 29 25 June 4 25 June 4 26 Apr. 27 27 3 Apr. 29 3 Apr. 29 4 Apr. 29 27 4 Apr. 29 27 4 Apr. 29 28 4 Apr. 29 29 4 Apr. 29 29 4 Apr. 29 20 30 30 30 30 30 30 30 30 30 30 30 30 30
1852.	May Apr. Apr. May Apr. May Apr. May Apr. May May May
1851.	23 May 15 11 Apr. 10 16 June 11 Apr. 10 16 June 11 Apr. 10 16 Apr. 29 17 Apr. 29 18 Apr. 29 18 Apr. 29 18 June 18 Apr. 29 18 June 19 J
1850.	23 May 23 18 Apr. 11 2 June 6 6 May 6 19 Apr. 10 20 Apr. 10 22 Apr. 10 24 ay 30 24 ay 30 24 ay 30 24 ay 30 25 Apr. 18 27 May 13 28 June 7 30 Apr. 28 28 Apr. 18 29 Apr. 18 20 Apr. 18 21 Apr. 18 22 Apr. 18 23 Apr. 18 24 ay 30 25 Apr. 18 27 May 18 28 June 7 30 Apr. 28 28 Apr. 18 29 Apr. 18 20 Apr. 18 21 Apr. 18 22 Apr. 18 23 Apr. 18 24 ay 30 25 Apr. 18 27 Apr. 18 28 Apr. 18 29 Apr. 18 20 Apr. 18 20 Apr. 18 21 Apr. 18 22 Apr. 18 23 Apr. 18 24 Apr. 18 25 Apr. 18 26 Apr. 28 27 Apr. 28 28 Apr. 28 29 Apr. 28 20 Apr. 28 20 Apr. 28 20 Apr. 28 20 Apr. 28 21 Apr. 28 22 Apr. 28 23 Apr. 28 24 Apr. 28 25 Apr. 28 26 Apr. 28 27 Apr. 28 28 Apr. 28 29 Apr. 28 20 Apr. 28 20 Apr. 28 20 Apr. 28 21 Apr. 28 22 Apr. 28 23 Apr. 28 24 Apr. 28 25 Apr. 28 27 Apr. 28 28 Apr. 28 27 Apr. 28 28 Apr. 28 29 Apr. 28 20 A
1849.	821 821 900 92 42 4482 7488 900 900 900 900 900 900 900 900 900 9
1848.	May 15 May 12 May - 2 Apr. 6 Apr. 29
1847.	6 May 151 12 29 15 29 15 29 16 May 151 18 May 25 18 May 251 19 May 251 10 Apr. 25 11 Apr. 25 12 May 11 11 June 6 12 May 9 27 May 9
1846.	May 6 Apr. 2 Apr. 2 Apr. 24 Apr. 24 13 13 13 14 15 Apr. 22 Apr. 12 Apr. 22 Apr.
1845.	May 10 23 May 20 May 20 Apr. 25 Apr. 25 Apr. 20 Apr. 21 15 Apr. 21 15 Apr. 21 16 Apr. 21 17 Apr. 21 18 Apr. 22 Apr. 22 Apr. 22 Apr. 22 Apr. 22 Apr. 22 Apr. 22 Apr. 23 Apr. 22 Apr. 22 Apr. 22 Apr. 22 Apr. 22 Apr. 22 Apr. 22 Apr. 22 Apr. 21 Apr. 22 Apr. 21 Apr. 21 Apr. 22 Apr. 22
1844.	May Apr. May Apr. Apr. Apr. May Apr. May
1843.	May 25 29 29 29 29 29 39 40 15 Apr. 15 25 Apr. 29 Apr. 29 Apr. 29 Apr. 29 Apr. 29 12 13 113
1842.	May 9 Witch 27 Mitch 27 Mitch 27 Mitch 27 May 5 May 1 May 1 May 1 May 1 May 1 May 1 May 8
1841.	May 255 Apr. 174 Apr. 175 May 28 June 4 16 May 15 16 16 17 17 Apr. 29 Apr. 29 Apr. 29 Apr. 29 19 10 10 10 10 10 10 10 10 10 10 10 10 10
1840.	May 13 Apr. 19 May 23 Apr. 25 Apr. 25 April 26 20 May 18 20 May 16 20 May 16 May 1
1839.	May 10 Apr. 18 April 8 April 8 Apr. 16 May 21 Apr. 16 April 9 April 9 Tume 4 Jume 2 Apr. 19 Apr. 19
TREES, SHRUBS, ETC.	Almond, Flowering, Apple, Ash, Mountain, Bloodroot, Calicanthus, Cherry, Cherry, Croens, Currant, Missouri, Daphne Mezereon, Fever Bush, Geranium Maculatum, Honeysuckle, Tart, Horse-Chestnut, Christophy Cherry, Horse-Chestnut, Christophy Cherry, Christophy Che

Flowering Season, &c.—Concluded.

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1867.	May Apr. Apr. Apr. Apr. Apr. Apr. Apr. Apr.
	20 10 10 10 10 10 10 10 10 10 10 10 10 10
1866.	May Apr. Apr. Apr. Apr. Apr. Apr. Apr. Apr.
	May May May May May May May May May May
1865.	
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1864.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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1863.	Apr. — Apr. — May Apr. — May Apr. — — — — — — — — — — — — — — — — — — —
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1862.	May April May April May April May April May April May May May May May May May May May May
	421 28 28 28 30 30 30 30 30 30 30 30 30 30 30 30 30
1861.	
	110 May 110 Ma
1860.	
18	May April June May Apr. May Apr. May Apr. May Apr. May
6	801 801 802 84 84 85 86 87 87 87 87 87 87 87 87 87 87
1859.	May May May May May May Apr. Apr.
	117 119 119 110 110 110 110 110 110 110 110
1858.	May April May April May April May April April April April April April April April
	25 May 27 Feb. 28 April 28 April 28 April 29 May 20 April 20 April 20 April 21 May 22 April 23 April 24 April 25 April 26 April 27 May 28 April 28 April 29 April 20 April 20 April 20 April 21 April 22 April 23 April 24 April 25 April 26 April 27 April 28 April 28 April 29 April 20 April 20 April 20 April 21 April 22 April 23 April 24 April 25 April 26 April 27 April 28 Ap
1857.	
18	May April June May June May May May May May May May May May May
	21122 02 02 0 44 4 5 0 0 1 2 4 4 1 1 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
1856.	May Apr. Apr. May Apr. May Apr. May Apr. May Apr. May Apr. May Apr.
	15 Apr. 12 Apr. 12 Apr. 12 Apr. 12 Apr. 12 Apr. 13 Apr. 13 Apr. 13 Apr. 14 Apr. 16 Apr. 16 Apr. 16 Apr. 17 Apr. 18 Apr. 19 Apr. 19 Apr. 19 Apr. 19 Apr. 10 Apr
1855.	
118	20 May 114 Apr. 18 Apr. 20 June 5 June 6 June 6 June 10 Apr. 20 Apr. 22 Apr. 22 Apr. 23 Apr. 24 Apr. 25 Apr. 30 May 30 June 6 Good Apr. 27 Apr. 28 Apr. 28 Apr. 29 Apr. 30 June 6 June 6 June 6 Good Apr. 20 Apr. 20 Apr. 30 A
r.	241120 2000 2000 2000 2000 2000 2000 200
1854.	May Apr. May June May Apr. May Apr. May May May May Apr. May Apr. May
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ETC.	t, m,
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s, s	nd, j ns, ', w Mou root inthinthinthinthinthinthinthinthinthinth
Trees, Shrubs, etc.	Almond, Flowering, Apple, Aroutus, Trailing, Ash, Mountain, Bloodroot, Calicanthus, Cherry, Wild, Crocus, Wild, Crocus, Wild, Crocus, Dadelion, Bardelion, Daphne Mezereon, Fever Bush, Geranium Maculatum Honeysuckle, Tart, Horse-Chestnut, Leatherwootd, Lilac, Fersian, Liverwort, Maple, Red, Mareissus, Peach, Rose, Russian, Gesch, Escher Bush, Kose, Russian, Kolet, Blue, Wind Flower,
	AAAAMOO OOAAAAHHAAA MAAAA &AA

APPENDIX.

FORMS CONCERNING ADMISSION TO THE HOSPITAL.

PETITION.

[The applicant must answer in writing the printed interrogations accompanying this blank.]

To the Honorable the Judge of the Probate Court, in and for the County of :

of on oath complains

that of , in said county of , is an insane person, and a proper subject for the treatment and custody of the Worcester Lunatic Hospital.

Wherefore, h prays that said may be committed to the said Worcester Lunatic Hospital according to law.

Then the above named A. D. 186.

made oath that

the above complaint, by h subscribed, is true.

Before me,

Justice of the Peace.

I, the subscriber, one of the selectmen of where said · resides, hereby acknowledge that notice has been given to me of the intention to present the foregoing complaint and application.

A. D. 186 .

To the Honorable the Judge of the Probate Court, in and for the County of :

The subscriber, having made application to your Honor for the commitment of to the Worcester Lunatic Hospital, as a lunatic, now presents the following statement, in answer to interrogatorics:—

What is the age of the lunatic? Ans.

Birthplace? Ans.

Civil condition of lunatic? Ans.

Occupation? Ans.

Supposed cause of disease? Ans.

Duration? Ans.

Character—whether mild, violent or dangerous? Ans.

100

Homicidal or suicidal? Ans.

Paralytic or epileptic? Ans.

Previous existence of insanity in the lunatic? Ans.

Previous or present insanity in any of the family? Ans.

Habits in regard to temperance? Ans.

Whether he has been in any lunatic hospital; if so, what one, when, and how long? Ans.

(If a woman.) Has she ever borne any children? Ans.

(If a woman.) How long since the birth of her last child? Ans.

Name and post-office address of some of the nearest relatives or friends?

Ans.

What facts show whether h has or has not a settlement, and where, if anywhere, in this State? Ans.

[For the law relating to settlement, see Gen. Stat., chap. 69.]

Applicant.

PHYSICIANS' CERTIFICATE.

The subscribers, respectable physicians of in the county of , having made due inquiry and personal examination of named in the foregoing application, within one week prior to the date hereof, certify that the said is insane, and a proper subject for the treatment and custody of the Worcester Lunatic Hospital.

A. D. 186 .

, ss.

A. D. 186 .

Then the above named

and

made oath that the above certificate is true.

Justice of the Peace.

Commonwealth of Massachusetts.

ss. At

, in said county on the

day of

A. D. 186.

On the application of for the commitment of of in said county, to the Worcester Lunatic Hospital, ; notice in writing having been given by said applicant to one of the selectmen of where said resides, of h intention to make said application, and said having been duly notified of the time and place appointed for hearing, it appears, upon a full hearing, that said is an insane person, and a proper subject for the treatment and custody of the Worcester Lunatic Hospital.

Wherefore it is ordered that said be committed

to the said Worcester Lunatic Hospital.

Judge of Probate Court.

FORM OF OVERSEERS' BOND.

Worcester Lunatic Hospital.

Whereas, of , in the county of , has been admitted a boarder in the Worcester Lunatic Hospital, , a majority of the Overseers of the Poor of the town of , in the county of , in behalf of the inhabitants of said town, do hereby promise Treasurer of said Hospital, to pay

him, or his successor in said office, the rate of board which may, from time to time, be determined by the Trustees of said hospital, for said patient, so long as h shall continue a boarder in said hospital, with such extra charges as may be occasioned by h requiring more than ordinary care and attention, to provide for h suitable clothing, and to pay for all such necessary articles of clothing as shall be procured for h by the Steward of the hospital, and to remove h from said hospital whenever the room occupied by h shall be required for a class of patients having preference by law, or in the opinion of the Superintendent, to be received into said hospital: Also to pay not exceeding fifty dollars for all damages h may do to the furniture and other property of said hospital, and for reasonable charges in case of elopement, and funeral charges in case of death. Payment to be made quarterly, and at the time of removal, with interest on each bill from and after the time it becomes due.

Witness our hands this

(Signed.)

day of

Overseers of the Poor of the Town of

FORM OF PRIVATE BOND.

Worcester Lunatic Hospital.

Whereas, , of , in the county of , as Principal, and

of , in the county of , as surety, do hereby jointly and severally promise Treasurer of said hospital, to pay him or his successor in said office, the rate of board which may, from time to time, be determined by the Trustees of said hospital, for said patient, so long as h shall continue a boarder in said hospital, with such extra charges as may be occasioned by h requiring more than ordinary * care and attention; to provide for h suitable clothing, and to pay for all such necessary articles of clothing as shall be procured for h by the Steward of the hospital, and to remove h from said hospital whenever the room occupied by h shall be required for a class of patients having preference by law, or in the opinion of the Superintendent, to be received into said hospital. Also to pay, not exceeding fifty dollars, for all damages h may do the furniture and other property of said hospital, and for reasonable charges in case of elopement, and funeral charges in case of death. Payment to be made quarterly, and at the time of removal, with interest on each bill from and after the time it becomes due.

Witness our hands this day of , A. D. 186 .

Attest. (Signed,)

, Principal.
, Surety.

Patients will be received into the hospital at any time, if the following conditions are complied with:

If the patient is in indigent circumstances, and has no settlement in any town in the Commonwealth, the Probate Court, or if in the city of Boston, the Superior Court, will issue a warrant for the commitment of the patient to the hospital. The State will then pay the cost of support, and the county from which the patient is sent will pay the expenses of the commitment.

If the patient is in indigent circumstances, and has a settlement in any town in the Commonwealth, the Overseers of the Poor of that town may give a bond for the support of the patient. Or, when this is inconvenient, an application may be made to the Probate Court of the county where the patient resides, and a warrant will be issued for the commitment of the patient to the hospital, and the town will be held responsible for the support of the patient.

In all other cases a bond from responsible persons, as principal and surety will be required for the expenses of the patient while in the hospital.

In all cases, before admission to the hospital, two physicians, one of whom shall be the family physician, must certify that the patient is insane.

All necessary clothing must be supplied by the friends of the patients.

Clothing will be supplied at the hospital, if desirable, and charged in the bills at cost.

Damages done to the furniture and other property to the amount of fifty dollars may also be charged.

Reasonable charges will be made in case of elopement, and funeral charge in case of death.

All bills are collected by the Treasurer quarterly, or interest charged on the same after becoming due.

Bills become due on the first of January, April, July and October, and when the patient leaves the hospital.



APR 25 39 W.P.A.



